V:KO by Panasonic





General Catalog





For a sustainable and bright future

new generation technologies and products



VİKO by Panasonic, recognized as the largest company in its industry in Turkey, provides solutions for the transmission, use and more convenient supply of electric power in its industrial manufacturing plant located in Sancaktepe, Istanbul, with a closed area of 56.000 square meters.

The foundation of VİKO brand dates back to 1966 and VİKO has been maintaining its activities in affiliation with Eco Solutions which is one of the four group companies of the world technology giant Panasonic since March 2014. The product range of VİKO by Panasonic includes Switches and Sockets, Group Sockets, Fuse Boxes, Accessories, Low Voltage Switchgears, Electricity Meters, AMR (Automatic Meter Reading Systems) Meter Automation Solutions, Thea IQ Building Automation Systems, Panasonic Professional Power Tools and Fire Alarm Systems. While Viko by Panasonic maintains its leadership in Turkish market, it also represents Turkey in global markets successfully with 45 percent of its sales consisting of export to more than 70 countries.

Our corporation recognized as one of the major corporations in its sector with an annual manufacturing capacity of 100 million switches and sockets in its industrial facilities has been maintaining its investments in R&D, innovation and design at a fast pace in order to create solutions anticipating the customer expectations and launch many innovative products.

Being the first company in its sector to be included in Turquality brand support program, VİKO by Panasonic also holds the Well-Known Brand and Super Brand statuses.
VİKO by Panasonic is also one of the first 500 Large Industrial Enterprises of Turkey and it features the first R&D Center approved by the Ministry of Science, Industry and Technology. VİKO by Panasonic Holds ISO 9001 Quality Management System, ISO 14001 Environmental Management System, OHSAS 18001 Occupational Health and Safety System and ISO 27001 Information Security System.

VİKO by Panasonic which defines sustainability within the scope of corporate values has been developing Social Responsibility projects since 1998 adding values to the present and to the future. VİKO by Panasonic also considers more efficient use of resources in products, manufacturing and building management as its primary responsibility. With the belief that achievement will only be possible through a vision adopted by the whole corporate and taking an approach of team spirit accordingly, our corporate combines the power of cutting-edge technology in design, production and presentation of products and solutions that will ease the life of people with the dynamism and continuous development of its employees.

AWARDED Superbrands TURKEY 2014 - 2015



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Switches and Sockets

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Low Voltage Switchgears

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İndex katalog bitiminde düzenlenecek.

welcome to the world of solutions





VİKO by Panasonic meets the expectations that vary depending on places and areas with Dimmers, Electronic Products, Hotel Solutions and more in the best way possible. VİKO enriches the options with product series that will be preferred in harmony with projects and decorations.

technologies that make life easier

Programmable Shutter Control

Shutter Control with digital display offers thief scenarios and daily and weekly programming options.



Child Protected Sockets

Child protection feature designed as a measure against electric injuries bring forward safe use of sockets.



IP44 Gasket Kit

IP44 gasket kit offer protection against moisture and dust for surface mount switches and sockets.

IP44 Switch Seal Set



IP44 Socket Seal Set with Lid



Analog and Programmable Digital Thermostat

Digital and analog thermostats with user friendly menu supporting 7 languages in addition to the adjustable backlight feature, allows high precision temperature adjustment with its special PI algorithm.





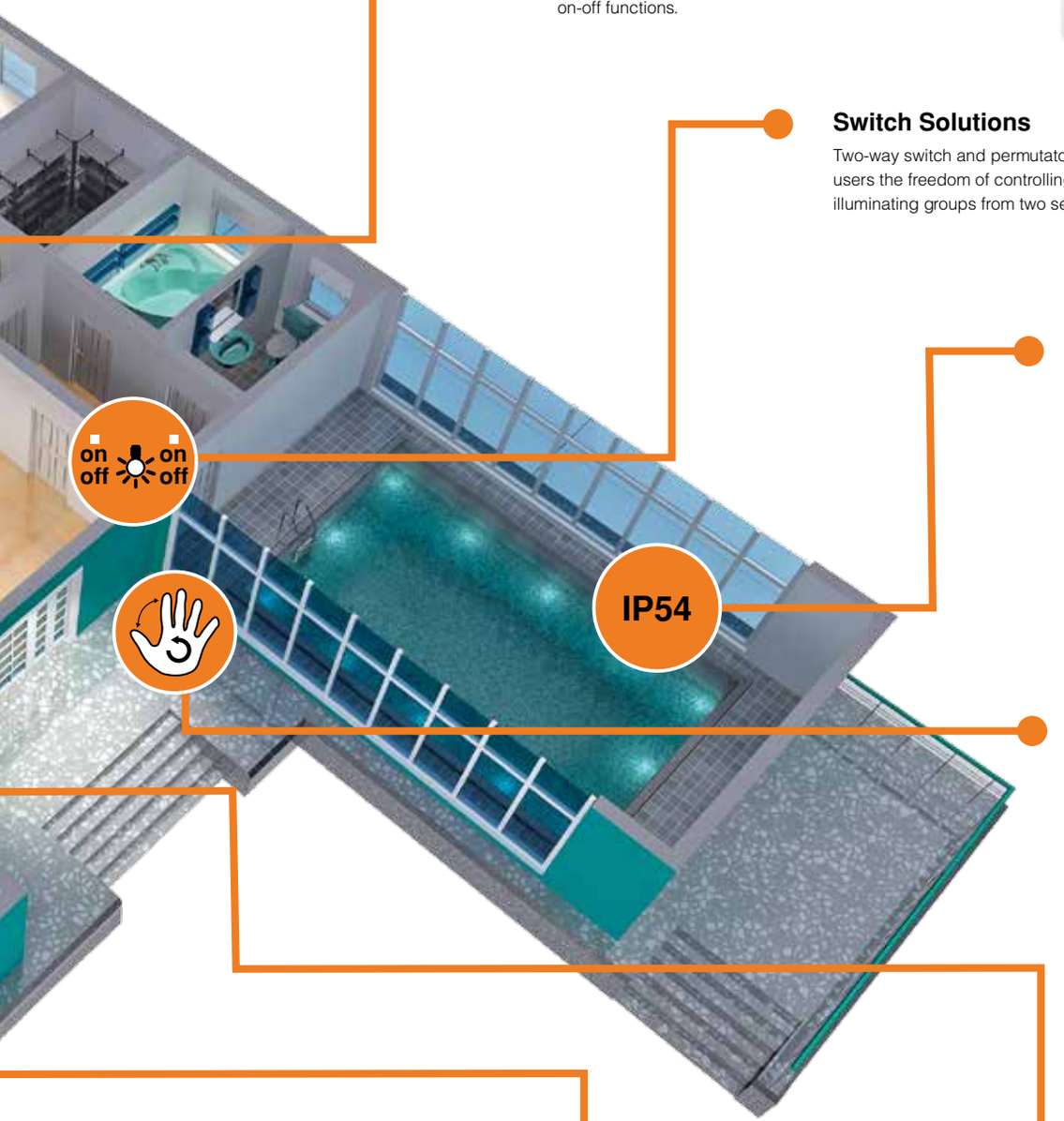
TV and Satellite Sockets

TV, satellite and radio socket options with low loss and high image quality meet the expectations with multiple combinations..



Data Sockets

Numeric (RJ11) and Data (Cat5, Cat6) socket options supported by two-gang combinations and internet connection.



PRO Dimmer Family

Pro Dimmer family that offers solutions in accordance with the illumination preference with its overload and short circuit protected product options, stands out with two-way and push on-off functions.



Switch Solutions

Two-way switch and permutator solutions offer the users the freedom of controlling single or multiple illuminating groups from two separate points.



Surface Mount Solutions

Palmiye with IP54 features offers surface mount solutions in outdoor use and Vera offers surface mount solutions in indoor use.



Motion Sensors

Motion sensors featuring 180° horizontal detection and timing option from 10 seconds to 20 minutes, combine the sense of safety with comfort thanks to their detection distance of 8 m.

Motion Sensor with Neutral



Motion Sensor without Neutral



Miniature Circuit Breaker

Miniature Circuit Breaker featuring a wide series of accessories meet the requirements with fast mounting option thanks to screwless connection.



Residual Current Circuit Breakers

Residual Current Circuit Breakers offer protection for both your loved ones and your places.



Fuse Boxes

VİKO Fuse Boxes provide safety with insulating features of plastics and decorative appearance with aesthetic lines.



hotel solutions



Reliability, quality, comfort and cutting-edge technology items play a key role in all energy saving hotel solutions.



Programmable Shutter Control

This product which is one of the solutions that will make the hotel guests feel privileged offers all features required for comfort and convenience.



Analog and Programmable Digital Thermostat

Thermostat options that ensure the hotel guests keep the temperature level in their rooms under control throughout their accommodation period, meet the expectations at maximum level.





Hotel Room Warning Unit

Hotel room units with language options are use friendly and ensure the comfort level required for the satisfaction of guests. DND / MUR systems protected against overheating and resistant against deformation are offered within decorative and elegant series that can be used in multiple framing when necessary.





Energy Saver

Sensor category products with easy mounting options that do not require any alterations fulfill all requirements thanks to their wide decorative options.



Energy Saver with Mechanical Switch (Weak Current)

- 5V DC operating voltage
- Operation with smart card or key chain
- Compatible with ESCU relay family
- Usage with Door / Window contacts and VRV air-conditioning systems
- Wide field of application compatible with all doors and hotel cards

RF Energy Saver

- 5V DC operating voltage
- 125kHz and 13.56Mhz frequency options
- Operation with smart card
- Smart card recognition for authorized use
- Compatible with ESCU relay family
- Usage with Door / Window contacts and VRV air-conditioning systems



Magnetic - Standard Energy Saver

- 220V operating voltage
- Operation with key chain
- Compatible with Energy Saver relay (11-pin)



Relay



ESCU

Energy Saver with Mechanical Switch (220V)

- 220V operating voltage
- Operation with smart card or key chain
- Ease of cabling and mounting
- Safe usage with contactor
- Wide field of application compatible with all doors and hotel cards

motion sensors



Easier and safer life at home, office, etc. with technologies that enhance the quality of life...
Privilege of motion sensors is everywhere.



Motion Sensor without Neutral

- 180° sensing angle
- Sensing distance of 5 m or 8 m
- Timing of 10 sec - 20 min
- 5 - 200 lux daylight adjustment
- 220~240V AC 50Hz
- Compatibility with incandescent lamps up to 300W
- Compatibility with halogen lamps featuring mechanical and electronic transformer up to 300VA
- On-Off button
- LED indicating the operating mode

Motion Sensor without Neutral (2W)

Ready for mounting without any alterations on the existing switch wiring



Slave Motion Sensor with Neutral

- 80° sensing angle
- Sensing distance of 8 m
- 220~240V AC 50Hz
- Compatibility with incandescent lamps up to 2300W
- Compatibility with halogen lamps featuring mechanical and electronic transformer up to 1500VA
- Compatibility with CFL lamps up to 1500VA
- Compatible for use with master motion sensors







Master Slave Motion Sensor with Neutral

- 180° sensing angle
- Sensing distance of 8 m
- Timing of 10 sec - 20 min
- 5 - 200 lux daylight adjustment
- 220~240V AC 50Hz
- Compatibility with incandescent lamps up to 2300W
- Compatibility with halogen lamps featuring mechanical and electronic transformer up to 1500VA
- Compatibility with CFL lamps up to 1500VA
- On-Off button
- LED indicating the operating mode

External Triggering

With the use of light switch in areas such as stairs that do not come into view, a signal is sent to the master motion sensor and the lighting can be switched on under the control of the sensor.

Use of Master / Slave

Allows performing all adjustments from a central point to create a wider area of detection or for additional sensors used in areas without direct view.

dimmer solutions



Thanks to its technology and design, dimmer family offers prestige, comfort and convenience to living areas, business places and meeting rooms.



RLC Pro Dimmer

- 20W - 350W
- Compatibility with R, L and C load types
- Overcurrent protection
- Overload protection
- Smart dimmer function that recognizes the load type
- Push On / Off function



RC Pro Dimmer

- 40W - 400W
- Compatibility with R and C load types
- Overload protection
- Short circuit protection
- Two-way function
- Push On / Off function



RL Pro Dimmer

- 60W - 400W ve 20W - 500W NEW
- Compatibility with R and L load types
- Overload protection
- Short circuit protection
- Two-way function
- Push On / Off function



RL Pro Dimmer
LED Dimmer

- 6W - 100W
- Compatibility with R and L load types
- Overload protection
- Short circuit protection
- Two-way function
- Push On / Off function





1-10V Dimmer

- 1 - 10V
- Ability to dim fluorescent lamps by connecting to dimmable ballasts
- 230V: 6A

Overload Protection

When load exceeding the permitted value is connected the products with "Overload protection" function enable the protection mode and prevent the product break down or avoid any danger. When the load passing over the product returns to normal values, the product will restart as well.

Dimmer Family	Model	Halogen and Incandescent Lamps	Mechanical Transformer Controlled Lamp	Electronic Transformer Controlled Lamp	Dimmable LED Lamp	Fluorescent Lamp
RL Dimmer	Rotatif Dimmer RL 600W/VA	●	●	——	——	——
	Rotatif Dimmer RL 1000W/VA	●	●	——	——	——
	Pro Dimmer RL 6-100W/VA (LED Dimmer)	●	●	——	●*	——
	Pro Dimmer RL 60-400W/VA	●	●	——	——	——
	Pro Dimmer RL 20-500W/VA	●	●	——	——	——
RC Dimmer	Pro Dimmer RC 40-400W/VA	●	——	●	——	——
RLC Dimmer	Pro Dimmer RLC 20-350W/VA	●	●	●	——	——
1-10V Dimmer	1-10V Dimmer	——	——	——	——	●

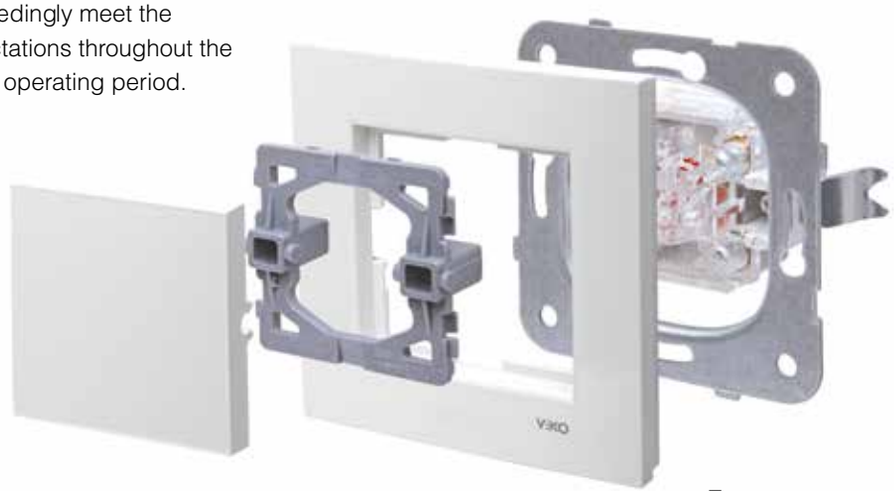
* Please consult VİKO for compatibility table based on LED brands.

inner details of comfort



Retainer
Retainer that can be mounted with the button exceedingly meet the durability expectations throughout the application and operating period.

Mechanism
Durable metal frame of 1 mm thickness ensure ease of alignment in multiple framework mounting thanks to its snap-on structure. Enhanced safety thanks to its tab ends with reduced sharpness.



Rocker / Cover
Replaceable rockers and covers offer customization options with single, double and illuminated versions.

Frame
Two-gang, three-gang, four-gang, five-gang and six-gang frames with modern design provide horizontal / vertical layout and white / cream color options.

Note: For Karre and Meridian series.



Hidden Claw
Practical return spring indicated in the details allows easy mounting.

Child Protection
Option child protection function offered for safe use is intended for avoiding foreseeable hazards.



Earthing Contact
Grounding contact is developed fro more safety during operation.

Safety
For additional safety purposes, metal frame design independent from the conductible area is developed to prevent access to the area under tension during installation.

Mounting
In addition to the cable socket that increases the contact surface for better conductivity, mounting is performed in a safer and easier manner thanks to the screw that does not fall down upon loosening.

Note: For Karre and Meridian series.

design that adds elegance to life







carmen opak

Carmen Opaque is designed with lines reflecting the life. It is attracting all attention with its design as warm as your home and lines as sleek as the time.

aesthetic integrity, harmonious simplicity





White



Beige

Ensuring full harmony with your decoration preferences, Carmen Opak series is offered with white and cream color options. Besides, Carmen Opak also offers two-gang, three-gang five-gang horizontal and vertical frame applications.

The mechanism of Carmen Opak series which is installed instantly and practically is only one of the privileges offered by this series. Carmen Opak meets all requirements in switching completely with 23 different functions. In addition to safe use, single and two-gang socket functions Carmen Opak also offers smart solutions for basic socket requirements with its child protected socket option.





Thanks to TV and telephone sockets and electronic products with easy installation included in Carmen Opak series and dimmers provided in accordance with illumination requirements, living spaces meet with comfort and energy efficiency.







Switch



One-Way Switch
9056X001
10AX, 250V~
Color◯◯



2-Gang One-way Switch
9056X002
10AX, 250V~
Color◯◯



Two-way Switch
9056X004
10AX, 250V~
Color◯◯



One-way Push Button
9056X003
10AX, 250V~
Color◯◯



Intermediate Switch
9056X031
10AX, 250V~
Color◯◯



2-gang Two-way Switch
9056X017
10AX, 250V~
Color◯◯



2-pole Switch
9056X039
10AX, 250V~
Color◯◯



Double One-way Switch
9056X044
10AX, 250V~
Color◯◯



One-way Switch, Illuminated
90560X19
10AX, 250V~
Color◯◯



2-gang One-way Switch, Illuminated
9056X050
10AX, 250V~
Color◯◯



Two-way Switch, Illuminated
9056X063
10AX, 250V~
Color◯◯



Push Button, Illuminated
9056X014
10AX, 250V~
Color◯◯



Push Button with Label, Illuminated 24V LED
9056X027
10AX, 250V~
Color◯◯



Double Pole Switch, Illuminated
90561X74
10AX, 250V~
Color◯◯



Push button with Key Symbol
9056X005
10AX, 250V~
Color◯◯



Push Button with Bell Symbol
9056X006
10AX, 250V~
Color◯◯



Double One-way Push Button
9056X083
10AX, 250V~
Color◯◯



Shutter Control Switch
9056X016
10AX, 250V~
Color◯◯



Shutter Control Switch, Single Button
9056X072
10AX, 250V~
Color◯◯



Do not Disturb / Make-up Room Switch
9056X088
10AX, 250V~
Color◯◯



Emergency Push Button with Cord
9056X018
10AX, 250V~
Color◯◯



Cooler Switch
9056X098
10AX, 250V~
Color◯◯



3-gang One-way Switch
9056X068
10AX, 250V~
Color◯◯

X Code Stands For:
1= White (Screw Terminal), 2= Beige (Screw Terminal)

Screw Terminal **Screwless Terminal**

Dimmer



Rotary Dimmer
RL 600W/VA
9056X020

Color◯◯



Rotary Dimmer
RL 1000W/VA
9056X069

Color◯◯



Pro Dimmer
RL 60-400W/VA
9056X141

Color◯◯



Pro Dimmer
RC 40-400W/VA
9056X142

Color◯◯



Pro Dimmer
RL 20-500W/VA
9056X140

Color◯◯

Socket



Socket 2P
9056X007

16A, 250V~
Color◯◯



Socket 2P
Child Protection
9056X043

16A, 250V~
Color◯◯



Socket 2P+E
9056X008

16A, 250V~
Color◯◯



Socket 2P+E
Child Protection
9056X042

16A, 250V~
Color◯◯



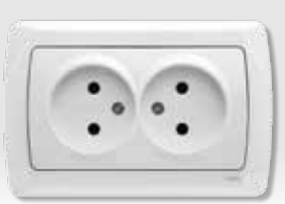
Socket 2P+E with Lid
Child Protection
9056X012

16A, 250V~
Color◯◯



Socket 2P+E
(French Standard)
Child Protection
9056X045

16A, 250V~
Color◯◯



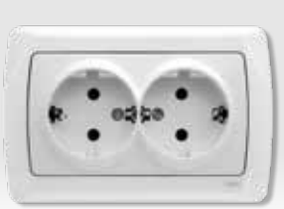
Double Socket 2P
9056X055

16A, 250V~
Color◯◯



Double Socket 2P
Child Protection
9056X046

16A, 250V~
Color◯◯



Double Socket
2P+E
9056X056

16A, 250V~
Color◯◯



Double Socket
2P+E Child
Protection
9056X058

16A, 250V~
Color◯◯



Double Socket 2P+E
(French Standard)
Child Protection
9056X057

16A, 250V~
Color◯◯

X Code Stands For:
1= White (Screw Terminal), 2= Beige (Screw Terminal)

Screw Terminal **Screwless Terminal**

TV-Data



TV Socket
9056X010 (Terminated)
9056X059
(Through-pass 8dB)
9056X060
(Through-pass 12dB)
9056X049 (Lossless)

Color◯◯



Two-Gang Satellite Socket (TV-SAT)
9056X085 (Terminated)
9056X086
(Through-pass 8dB)
9056X087
(Through-pass 11dB)

Color◯◯



Satellite Socket (SAT-TV-RAD)
9056X041 (Terminated)
9056X052
(Through-pass13dB)

Color◯◯



Satellite Socket with F Connector
9056X096 (Terminated)
9056X097
(Through-pass 10dB)

Color◯◯



TV-Radio Socket
9056X021 (Terminated)
9056X022
(Through-pass 8dB)
9056X024
(Through-pass 12dB)

Color◯◯



SAT-SAT-TV Socket Sat-Sat-TV-Rad
9056X053

Color◯◯



Phone Socket
9056X011

Color◯◯



Phone socket (RJ11)
9056X013

Color◯◯



Data Socket
9056X032 (Cat5E)
9056X332 (Cat6)

Color◯◯



Double Phone Socket (2xRJ11)
9056X033

Color◯◯



Double Data Socket
9056X034 (Cat5E)
9056X334 (Cat6)

Color◯◯



Phone & Data Socket
9056X035 (Cat5E)
9056X335 (Cat6)

Color◯◯



Double Keystone Socket w/o Connectors
9056X132

Color◯◯

X Code Stands For:
1= White (Screw Terminal), 2= Beige (Screw Terminal)

Electronic



Hotel Card Switch / Energy Saver
9056X051(Except Retarded Relay)
90551251 (Relay 220V-10A)

Color◯◯



Audio Socket
9056X037

Color◯◯



Volume Control Switch
9056X054
(Emergency Announcement With Transformer)

Color◯◯



Volume Control Switch with Transformer
9056X091

Color◯◯



Audio Channel Selection Switch
9056X082

Color◯◯



Push Button with Bell Symbol Buzzer
9056X106

Color◯◯

Accessory



Cable Outlet, Mech.+Cover
9056X077

Color◯◯



Surface Mounting Box, Single
9057X009

Color◯◯



Hotel Card Switch / Energy Saver Key
90551151

Color◯◯





X Code Stands For:
1= White (Screw Terminal), 2= Beige (Screw Terminal)

Horizontal and Vertical Frames

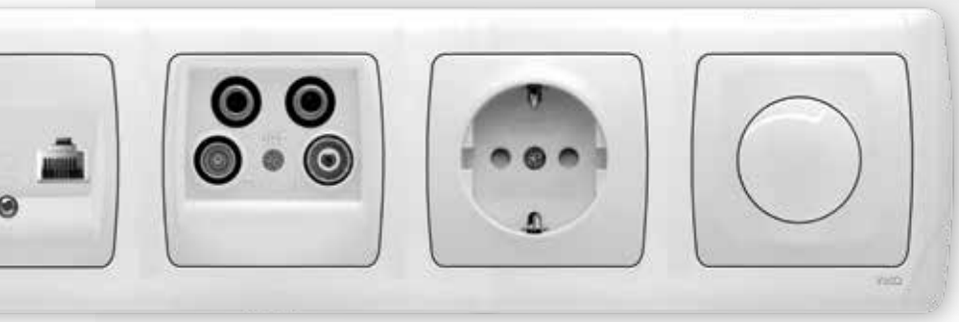




6 Gang Frame Vertical
9057Y006
82.5 x 435.5 mm)
Color◯◯



5 Gang Frame Vertical
9057Y005
(82.5 x 364.5 mm)
Color◯◯



Y Code Stands For: 1 = White, 2 = Beige



4 Gang Frame Vertical
9057Y004
(82.5 x 293.5 mm)
Color◯ ◯



3 Gang Frame Vertical
9057Y003
(82.5 x 222.5 mm)
Color◯ ◯



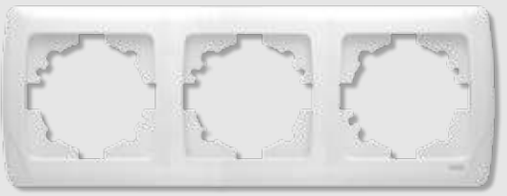
2 Gang Frame Vertical
9057Y002
(82.5 x 151.5 mm)
Color◯ ◯



Single Frame
9057Y001
(82.5 x 80.5 mm)
Color◯ ◯



2 Gang Frame Horizontal
9057Y102
(153.5 x 80.5 mm)
Color◯ ◯



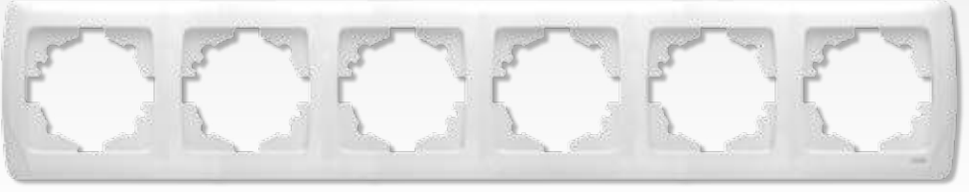
3 Gang Frame Horizontal
9057Y103
(224.5 x 80.5 mm)
Color◯ ◯



4 Gang Frame Horizontal
9057Y104
(295.5 x 80.5 mm)
Color◯ ◯



5 Gang Frame Horizontal
9057Y105
(366.5 x 80.5 mm)
Color◯ ◯



6 Gang Frame Horizontal
9057Y106
(437.5 x 80.5 mm)
Color◯ ◯

Y Code Stands For: 1 = White, 2 = Beige

an elegant touch

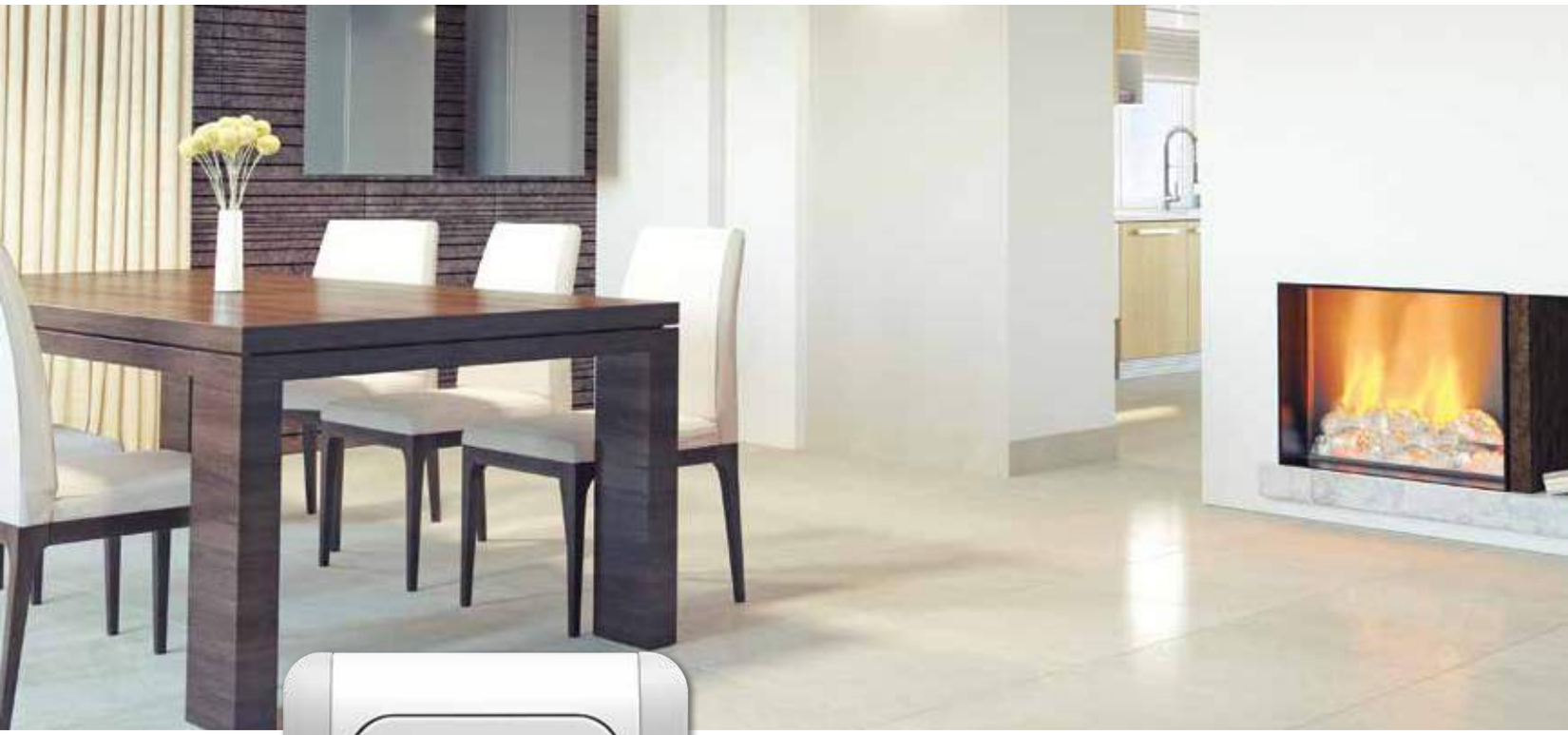






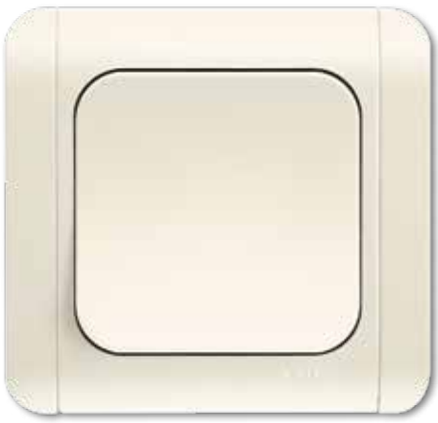
Kardelen touches the environments where it is used like a light fairy with its sheer beauty. With Kardelen, the concepts of comfort, aesthetics and harmony are given the utmost priority in life.

design addressing to emotions, colors in harmony with time





White



Beige

With a rich product range including TV and telephone sockets and multiple frame options, Kardelen is offered with 8 clips colors that can be combined with the main color options of white and cream.



In addition to electronic products, dimmer options, one-gang and two-gang socket options, child protected socket option enriches the product range of Kardelen.





White Clip
90601301

Grey Clip
90601101

Beige Clip
90603701

Gold Clip
90601201





Mahongany Clip
90601401

Walnut Clip
90601901

Silver Clip
90601601

Chrome Clip
90603601

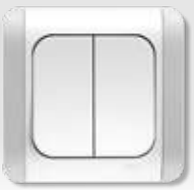
Kardelen

Switch



One-Way Switch
9055X001

10AX, 250V~
Color◯◯



2-Gang One-way Switch
9055X002

10AX, 250V~
Color◯◯



Two-way Switch
9055X004

10AX, 250V~
Color◯◯



One-way Push Button
9055X003

10AX, 250V~
Color◯◯



Intermediate Switch
9055X031

10AX, 250V~
Color◯◯



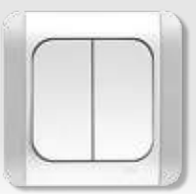
2-gang Two-way Switch
9055X017

10AX, 250V~
Color◯◯



2-pole Switch
9055X039

10AX, 250V~
Color◯◯



Double One-way Switch
9055X044

10AX, 250V~
Color◯◯



One-way Switch, Illuminated
9055X019

10AX, 250V~
Color◯◯



2-gang One-way Switch, Illuminated
9055X050

10AX, 250V~
Color◯◯



Two-way Switch, Illuminated
9055X063

10AX, 250V~
Color◯◯



Push Button, Illuminated
9055X014

10AX, 250V~
Color◯◯



Push Button with Label, Illuminated 24V LED
9055X027

10AX, 250V~
Color◯◯



Push button with Key Symbol
9055X005

10AX, 250V~
Color◯◯



Push Button with Bell Symbol
9055X006

10AX, 250V~
Color◯◯



Double One-way Push Button
9055X083

10AX, 250V~
Color◯◯



Shutter Control Switch
9055X016

10AX, 250V~
Color◯◯



Shutter Control Switch, Single Button
9055X072

10AX, 250V~
Color◯◯



Do not Disturb / Make-up Room Switch
9055X088

10AX, 250V~
Color◯◯



Emergency Push Button with Cord
9055X018

10AX, 250V~
Color◯◯

X Code Stands For: 1= White (Screw Terminal), 3= Beige (Screw Terminal),
Ürünler kordonsuz olarak satılmaktadır.

Screw Terminal **Screwless Terminal**

Dimmer



Rotary Dimmer
RL 600W/VA
9055X020

230V
Color◯◯



Rotary Dimmer
RL 1000W/VA
9055X069

230V
Color◯◯



Pro Dimmer
RL 60-400W/VA
9055X141

230V
Color◯◯



Pro Dimmer
RC 40-400W/VA
9055X142

230V
Color◯◯



Pro Dimmer
RL20-500W/VA
9055X140

230V
Color◯◯

Socket



Socket 2P
9055X007

16A, 250V~
Color◯◯



Socket 2P
Child Protection
9055X043

16A, 250V~
Color◯◯



Socket 2P+E
9055X008

16A, 250V~
Color◯◯



Socket 2P+E
Child Protection
9055X042

16A, 250V~
Color◯◯



Socket 2P+E with Lid
Child Protection
9055X012

16A, 250V~
Color◯◯



Socket 2P+E
(French Standard)
Child Protection
9055X045

16A, 250V~
Color◯◯



Double Socket 2P
9055X055

16A, 250V~
Color◯◯



Double Socket 2P
Child Protection
9055X046

16A, 250V~
Color◯◯



Double Socket 2P+E
9055X056

16A, 250V~
Color◯◯



Double Socket 2P+E
Child Protection
9055X058

16A, 250V~
Color◯◯



Double Socket 2P+E
(French Standard)
Child Protection
9055X057

16A, 250V~
Color◯◯

X Code Stands For: 1= White (Screw Terminal), 3= Beige (Screw Terminal)

Screw Terminal

Kardelen

TV-Data



TV Socket
9055X010 (Terminated)
9055X059
(Through-pass 8dB)
9055X060
(Through-pass 12dB)
9055X049 (Lossless)

Color ◯ ◯



SAT-SAT-TV Socket
Sat-Sat-TV-Rad
9055X085 (Terminated)
9055X086
(Through-pass 8dB)
9055X087
(Through-pass 12dB)

Color ◯ ◯



SAT Socket
9055X041
(Terminated)
9055X052
(Through-pass 13dB)

Color ◯ ◯



SAT Socket
9055X096
(Terminated)
9054X097
(Through-pass 10dB)

Color ◯ ◯



TV-Radio Socket
9055X021 (Terminated)
9055X022
(Through-pass 7dB)
9055X024
(Through-pass 12dB)

Color ◯ ◯



SAT-SAT-TV Socket
(Sat-Sat-TV-Rad)
9055X053

Color ◯ ◯



Phone Socket
9055X011

Color ◯ ◯



Phone Socket
(RJ11)
9055X013

Color ◯ ◯



Data Socket RJ45
9055X032 (Cat5E)
9055X332 (Cat6)

Color ◯ ◯



Double Phone
Socket (2xRJ11)
9055X033

Color ◯ ◯



Double Data
Socket 2xRJ45
9055X034 (Cat5E)
9055X334 (Cat6)

Color ◯ ◯



Phone & Data
Socket RJ45
9055X035 (Cat5E)
9055X335 (Cat6)

Color ◯ ◯



Double Keystone
Socket w/o connectors
9055X132

Color ◯ ◯

X Code Stands For: 1= White (Screw Terminal), 3= Beige (Screw Terminal)

Electronic



Hotel Card Switch / Energy Saver - Standard
9055X051
(Except Delayed Relay)
90551251
(Relay 220V-10A)
Color◯◯



Audio Socket
9055X037
Color◯◯



Volume Control Switch with Transformer
9055X054
Color◯◯



Volume Control Switch with Transformer
9055X091
Color◯◯



Audio Channel Selection Switch
9055X082
Color◯◯

Accessory



Cable Outlet, Mech.+Cover
9055X077
Color◯◯



Surface Mounting Box, Single
9050X930
Color◯◯



Hotel Card Switch / Energy Saver Key
90551151
Color◯◯

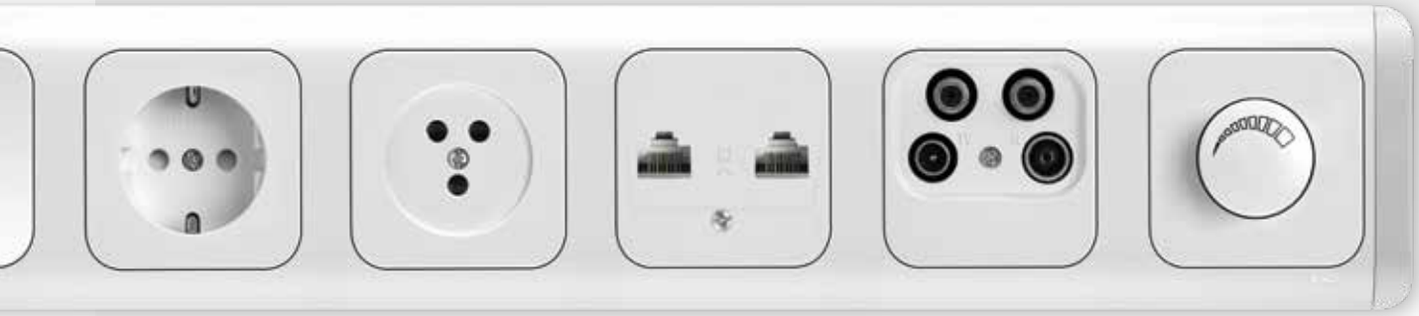




X Code Stands For: 1= White, 3= Beige

Kardelen





Horizontal Frames



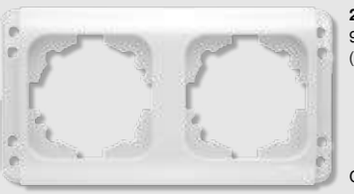
2 Gang Flush Mounted Frame
9050Y929

Color◯◯



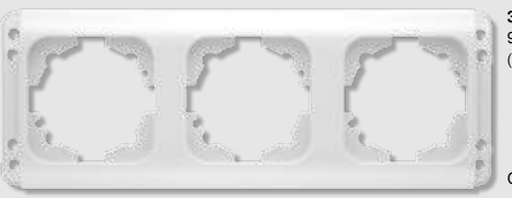
Single Frame
9050Y921
(83 x 80 mm)

Color◯◯



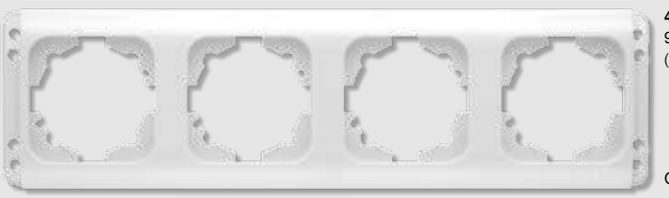
2 Gang Frame Horizontal
9050Y922
(152 x 80 mm)

Color◯◯



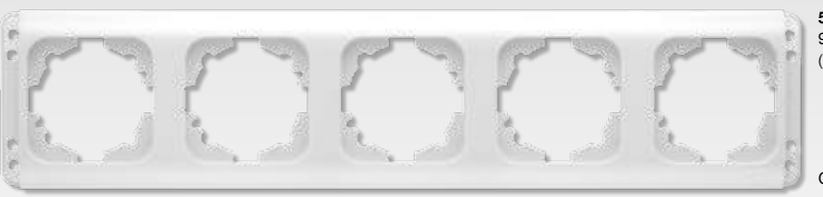
3 Gang Frame Horizontal
9050Y923
(223 x 80 mm)

Color◯◯



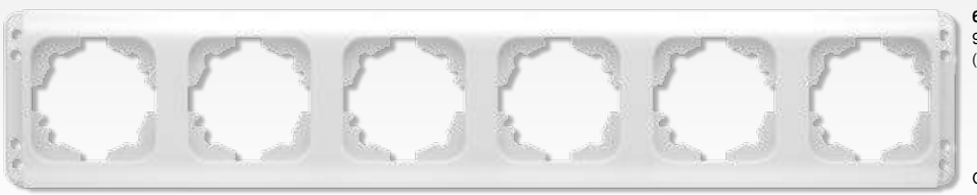
4 Gang Frame Horizontal
9050Y924
(294 x 80 mm)

Color◯◯



5 Gang Frame Horizontal
9050Y925
(365 x 80 mm)

Color◯◯



6 Gang Frame Horizontal
9050Y926
(436 x 80 mm)

Color◯◯

Y Code Stands For: 1= White (Cordless), 3= Beige (Cordless)

minimal elegance





Karre, a highly special series that comes into prominence... It fills a huge gap in the decoration or changes the whole view of living spaces with a delicate touch. With Karre series, design, technology and quality turn into happiness for everyone.

modern design and all time colors





White



Beige

Complementing the beauty of living spaces with a single touch, Karre makes elegance a part of life with its hard-edged minimalist design.

Karre switch and socket series with white and cream color options offer alternative solutions for different usage areas with its two-gang, three-gang, four-gang, five-gang, six-gang horizontal and vertical frames.



Karre with its sharp lines, modern form, simple but attractive stance redefines literal beauty with its white and cream color alternatives. Karre which is the key of chic places reflects its strong design everywhere with is wide product range including switches, sockets and thermostat options.







Karre

Switch



One-Way Switch
90967X01

10AX, 250V~
Color◯◯



2-Gang One-way Switch
90967X02

10AX, 250V~
Color◯◯



Two-way Switch
90967X04

10AX, 250V~
Color◯◯



One-way Push Button
90967X03

10AX, 250V~
Color◯◯



Intermediate Switch
90967X31

10AX, 250V~
Color◯◯



2-gang Two-way Switch
90967X17

10AX, 250V~
Color◯◯



2-pole Switch
90967X39

16AX, 250V~
Color◯◯



Double One-way Switch
90967X44

10AX, 250V~
Color◯◯



One-way Switch, Illuminated
90967X19

10AX, 250V~
Color◯◯



2-gang One-way Switch, Illuminated
90967X50

10AX, 250V~
Color◯◯



Two-way Switch, Illuminated
90967X63

10AX, 250V~
Color◯◯



Push Button, Illuminated
90967X14

10AX, 250V~
Color◯◯



Push Button with Label, Illuminated 24V LED
90967X27

10AX, 250V~
Color◯◯



Push button with Key Symbol
90967X05

10AX, 250V~
Color◯◯



Push Button with Bell Symbol
90967X06

10AX, 250V~
Color◯◯



Double One-way Push Button
90967X83

10AX, 250V~
Color◯◯



3-gang One-way Switch
90967X68

10AX, 250V~
Color◯◯



Shutter Control Switch
90967X16

10AX, 250V~
Color◯◯



Shutter Control Switch, Single Button
90967X72

10AX, 250V~
Color◯◯



Do not Disturb / Make-up Room Switch
90967X88

10AX, 250V~
Color◯◯



Emergency Push Button with Cord
90967X18

10AX, 250V~
Color◯◯



Cooler Switch
90967X98

10AX, 250V~
Color◯◯

X Code Stands For: 0=White, 2=Beige
Z Code Stands For: 1=White, 3=Beige

Screw Terminal **Screwless Terminal**

Dimmer



Rotary Dimmer
RL 600W/VA
90967X20

230V
Color◯◯



Rotary Dimmer
RL 1000W/VA
90967X69

230V
Color◯◯



Pro Dimmer
RL 60-400W/VA
90967Z41

230V
Color◯◯



Pro Dimmer
RC 40-400W/VA
90967Z42

230V
Color◯◯



Pro Dimmer
RLC 20-350W/VA
90967Z43

230V
Color◯◯



Pro Dimmer
RL 6-100W/VA
(LED Dimmer)
90967Z29

230V
Color◯◯



1-10V Dimmer
90967X84

230V
Color◯◯



Pro Dimmer
RL 20-500W/VA
90967Z40

230V
Color◯◯

Socket



Socket 2P
90967X07

16A, 250V~
Color◯◯



Socket 2P Child
Protection
90967X43

16A, 250V~
Color◯◯



Socket 2P+E
90967X08

16A, 250V~
Color◯◯



Socket 2P+E Child
Protection
90967X42

16A, 250V~
Color◯◯



Socket 2P+E
with Lid Child
Protection
90967X12

16A, 250V~
Color◯◯



Socket 2P+E with
Lid and Label holder
Child Protection
90967Z13

16A, 250V~
Color◯◯



Socket 2P+E
(French Standard)
Child Protection
90967X45

16A, 250V~
Color◯◯



Socket 2P+E with Lid
(French Standard)
Child Protection
90967X70

16A, 250V~
Color◯◯



Double Socket 2P
90967X55

16A, 250V~
Color◯◯



Double Socket 2P
Child Protection
90967X46

16A, 250V~
Color◯◯



Double Socket
2P+E
90967X56

16A, 250V~
Color◯◯



Double Socket
2P+E Child
Protection
90967X58

16A, 250V~
Color◯◯



Double Socket 2P+E
(French Standard)
Child Protection
90967X57

16A, 250V~
Color◯◯

X Code Stands For: 0=White, 2=Beige
Z Code Stands For: 1=White, 3=Beige

Screw Terminal **Screwless Terminal**

Karre

TV-Data



TV Socket
90967X10 (Terminated)
90907X59
(Through-pass 8dB)
90907X60
(Through-pass 12dB)
90967X49 (Lossless)

Color◯◯



Satellite Socket with F Connector
90967X09 (Terminated)
90967X38
(Through-pass 10dB)

Color◯◯



Satellite Socket (TV-SAT)
90967X85 (Terminated)
90967X86
(Through-pass 8dB)
90967X87
(Through-pass 11dB)

Color◯◯



TV-Radio Socket
90967X21 (Terminated)
90907X22
(Through-pass 7dB)
90907X24
(Through-pass 12dB)

Color◯◯



Satellite Socket (SAT-TV-RAD)
90967X41 (Terminated)
90967X52
(Through-pass 13dB)

Color◯◯



SAT-SAT-TV Socket Sat-Sat-TV-Rad
90967X53 (Terminated)

Color◯◯



Phone socket (RJ11)
90967X13

Color◯◯



Data Socket
90967X32
(RJ45 CAT5E)
90967X78
(RJ45 CAT6)

Color◯◯



Double Phone socket (2xRJ11)
90967X33

Color◯◯



Double Data Socket
90967X34
(2xRJ45 CAT5E)
90967X79
(2xRJ45 CAT6)

Color◯◯



Phone & Data Socket
90967X35
(CAT5E-RJ11)
90967X81
(CAT6-RJ11)

Color◯◯



Double Keystone Socket w/o Connectors
90967X62

Color◯◯

Electronic



Room Thermostat
90967Z30

Color◯◯



Programmable Room Thermostat
90967Z32

Color◯◯



Programmable Shutter Control
90967Z33

Color◯◯



Motion Detector
90967Z34
(Without Neutral-180^0-5m)
90967Z35
(Without Neutral-180^0-8m)
90967Z36
(Master with Neutral-180^0-8m)

Color◯◯



Motion Detector 3 Wire
90967Z37
(With Neutral180°-8m)

Color◯◯



Hotel Card Switch / Energy Saver
90967X51 (Retarded-Except Relay)
90551251 (Relay)
(220V-10A)

Color◯◯



Audio Socket
90967X37

Color◯◯



Volume Control Switch
90967X54

Color◯◯



Volume Control Switch with Transformer
90967X28

Color◯◯



Audio Channel Selection Switch
90967X82

Color◯◯



Push Button with Bell Symbol Buzzer
90967Z06

Color◯◯

X Code Stands For: 0=White, 2=Beige
Z Code Stands For: 1=White, 3=Beige

Accessory



Cable Outlet, Mech.+Cover
90967X77

Color ◯ ◯



Blank Cover
90967Z20

Color ◯ ◯



IP44 Gasket Kit for Switch
90960297

Color ◯ ◯



IP44 Gasket Kit for 2-gang Switch
90960298

Color ◯ ◯



IP44 Gasket Kit for Socket with Lid
90960299

Color ◯ ◯



Surface Mounting Box, Single
90969003 (White)
90969013 (Cream)

Color ◯ ◯



Surface Mounting Box, Double
90969004 (White)
90969014 (Cream)

Color ◯ ◯



IP44 Gasket Kit for 2-gang Switch
90969020

Color ◯ ◯



Hotel Card Switch / **Energy Saver Key**
90551151

Color ◯ ◯

X Code Stands For: 0=White, 2=Beige
Z Code Stands For: 1=White, 3=Beige

Horizontal and Vertical Frames





6 Gang Frame Vertical
909602D5
(81 x 438 mm)
Color◯◯



5 Gang Frame Vertical
909602D4
(81 x 367 mm)
Color◯◯





Flush Mounted Frame
909602Y6

Color◯◯

D Code Stands For: 2=White, 3=Beige
Y Code Stands For: 0=White, 1=Beige



4 Gang Frame Vertical
909602D3
(81 x 296 mm)
Color◯◯



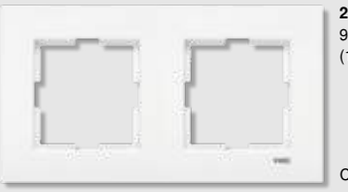
3 Gang Frame Vertical
909602D2
(81 x 225 mm)
Color◯◯



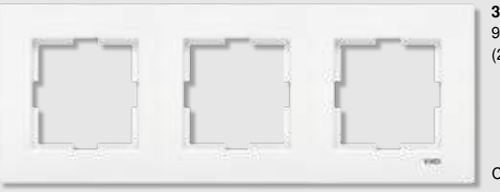
2 Gang Frame Vertical
909602D1
(81 x 154 mm)
Color◯◯



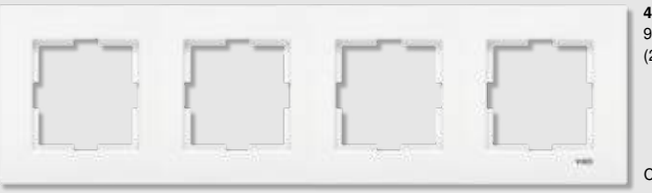
Single Frame
909602Y0
(83 x 81 mm)
Color◯◯



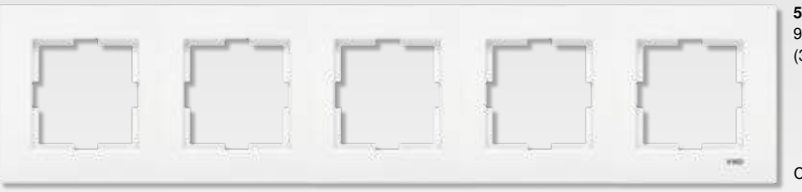
2 Gang Frame Horizontal
909602Y1
(154 x 81 mm)
Color◯◯



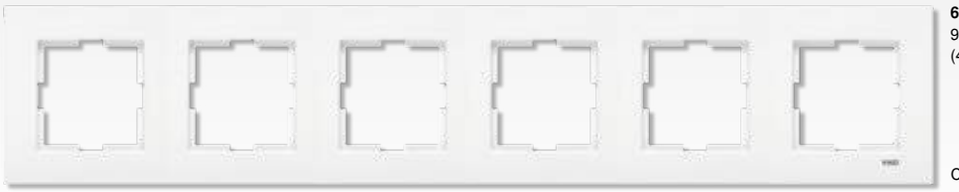
3 Gang Frame Horizontal
909602Y2
(225 x 81 mm)
Color◯◯



4 Gang Frame Horizontal
909602Y3
(296 x 81 mm)
Color◯◯



5 Gang Frame Horizontal
909602Y4
(367 x 81 mm)
Color◯◯



6 Gang Frame Horizontal
909602Y5
(438 x 81 mm)
Color◯◯

D Code Stands For: 2=White, 3=Beige
Y Code Stands For: 0=White, 1=Beige

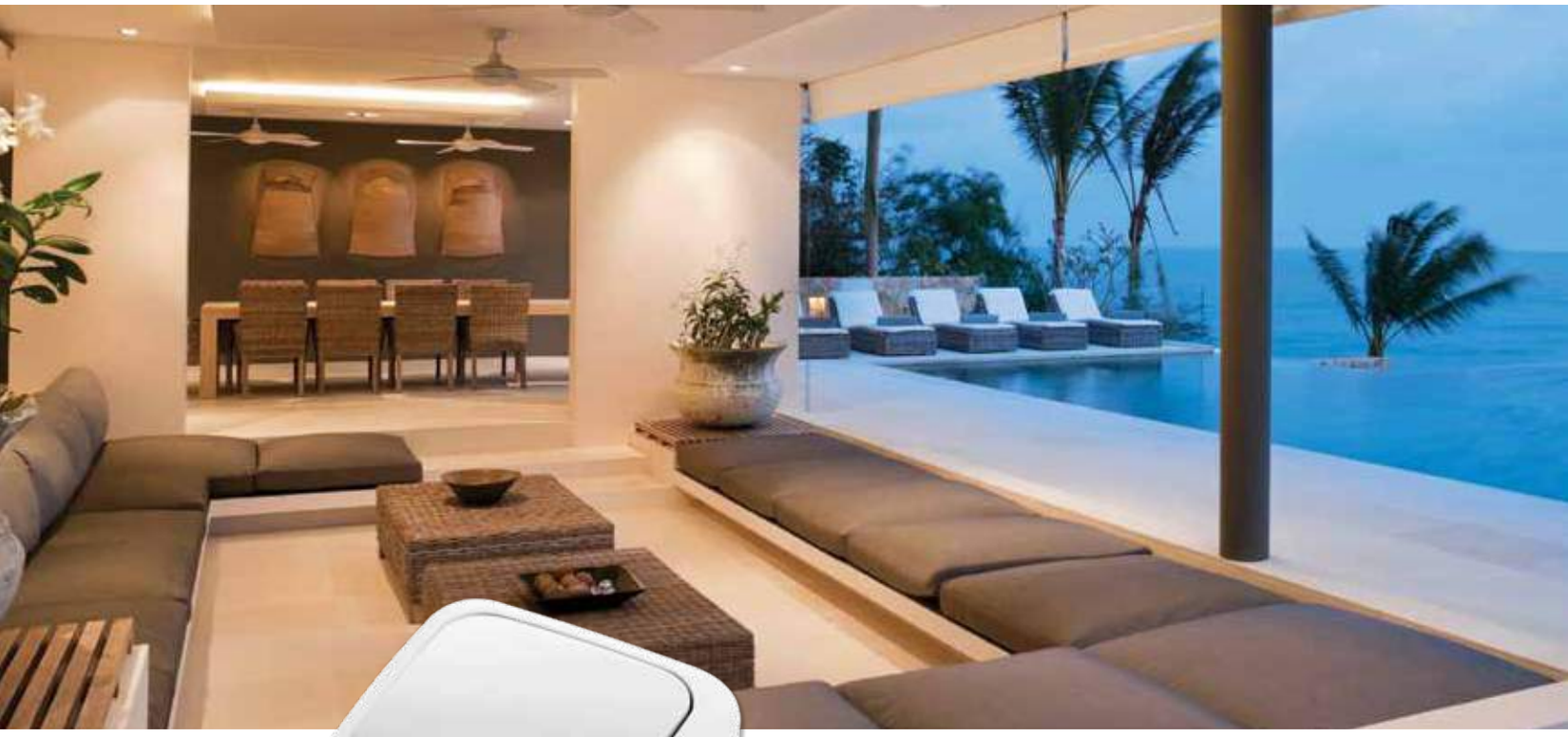
privilege of dusty and moist places





Moist places enjoy the privilege of elegantly designed, long lasting Palmiye series with IP54 function. Palmiye series meet the expectations for safe use in areas requiring more care and caution. Products of Palmiye series come into prominence with long lasting and durability features and offer decorative choices with white and gray color options.

decorations that never become old fashioned and elegant designs





White



Gray

Thanks to IP54 function of Palmiye offered with white and gray color options, this series provide resistance to dust and moisture, long lasting capability, cover that could be assembled or disassembled only by tightening or loosening screw and flexible gasket that enables installing the cable by pressing and make difference with quick and safe cabling functions.



Surface mounted Palmiye series offers earthed and earthed UPS sockets with lid resistant to dust and water thanks to IP54 function. TV / Data socket options with surface mounted IP54 function and optional horizontal and vertical two-gang combinations depending on the application area enrich the options of users.





Palmiye

Switch



Switch
90555X01

10AX, 250V~
Color ◯ ●



2-gang One-way Switch
90555X02

10AX, 250V~
Color ◯ ●



Two-way Switch
90681X04

10AX, 250V~
Color ◯ ●



One-way Push Button
90555X03

10AX, 250V~
Color ◯ ●



Intermediate Switch
90555X31

10AX, 250V~
Color ◯ ●



2-gang Two-way Switch
90555X17

10AX, 250V~
Color ◯ ●



One-way Switch, Illuminated
90555X19

10AX, 250V~
Color ◯ ●



Two-way Switch, Illuminated
90555X63

10AX, 250V~
Color ◯ ●



Push Button, Illuminated
90555X14

10AX, 250V~
Color ◯ ●



Push Button with Label, Illuminated 24V LED
90555X27

10AX, 250V~
Color ◯ ●



Push Button with Bell Symbol
90555X06

10AX, 250V~
Color ◯ ●



Push button with Key Symbol
90555X05

10AX, 250V~
Color ◯ ●

Socket



Socket 2P+E
90555X08

16A, 250V~
Color ◯ ●



Socket 2P+E (French Standard)
90555X15

16A, 250V~
Color ◯ ●

TV-Data



TV Socket
90555X10 (Terminated)
90555X59 (Through-pass 8dB)
90555X60 (Through-pass 12dB)
90555X49 (Lossless)

Color ◯ ●



Phone socket RJ11
90555X13

Color ◯ ●

Accessory



Vertical Connection Gasket
90555580

Color ●

X Code Stands For: 4= White, 5= Gray

Screwless Terminal

Horizontal Combination



Switch + Earthed Socket Horizontal Combination
90555X81

Color ○ ●



Switch Illuminated + Earthed Socket Horizontal Combination
90555X99

Color ○ ●



2-gang One-way Switch + Earthed Socket Horizontal Combination
90555X82

Color ○ ●



One-way Push Button + Earthed Socket Horizontal Combination
90555X83

Color ○ ●



One-way Push Button Illuminated + Earthed Socket Horizontal Combination
90555X94

Color ○ ●



Two-way switch + Earthed Socket Horizontal Combination
90555X84

Color ○ ●



Two-way Switch Illuminated + Earthed Socket Horizontal Combination
90555X93

Color ○ ●



2-gang Two-way Switch + Earthed Socket Horizontal Combination
90555X87

Color ○ ●



Earthed Socket + Earthed Socket Horizontal Combination
90555X88

Color ○ ●

Vertical Combination



Switch + Earthed Socket Vertical Combination
90555Y81

Color ○ ●



Switch Illuminated + Earthed Socket Vertical Combination
90555Y94

Color ○ ●



2-gang One-way Switch + Earthed Socket Vertical Combination
90555Y82

Color ○ ●



One-way Push Button + Earthed Socket Vertical Combination
90555Y83

Color ○ ●



One-way Push Button Illuminated + Earthed Socket Vertical Combination
90555Y93

Color ○ ●



Two-way switch + Earthed Socket Vertical Combination
90555Y89

Color ○ ●



Two-way Switch Illuminated + Earthed Socket Vertical Combination
90555Y92

Color ○ ●



2-gang Two-way Switch + Earthed Socket Vertical Combination
90555Y90

Color ○ ●



Earthed Socket + Earthed Socket Vertical Combination
90555Y91

Color ○ ●

X Code Stands For: 4= White, 5= Gray

Screwless Terminal

above the line comfort, surface mount easiness





Creating surface mounted solutions for indoor places, Vera combines its design making life easier with safety of use. Vera surface mounted series meets comfort, design and functionality expectations with standards required for safety of use.

privileged colors in surface mounted design





White Beige Mahogany Oak

Vera surface mounted series offering colorful and wooden patterned decorative solutions for indoor places, meets the expectations for functionality and comfort. Vera series with extensive product range and easy to install features offers above the line comfort with surface mounted switches and sockets for areas free from moisture.





Vera series meets TV / Data socket requirements with surface mounted products. Two-gang horizontal and vertical surface mounted combinations in compliance with requirements, decorations and architectural structure of places are also included in the product range of Vera series.



Vera

Switch



One-Way Switch
90681X01
90682Z01

10AX, 250V~
Color



2-Gang One-way Switch
90681X02
90682Z02

10AX, 250V~
Color



Two-way Switch
90681X04
90682Z04

10AX, 250V~
Color



One-way Push Button
90681X03
90682Z03

10AX, 250V~
Color



2-gang Two-way Switch
90681X17
90682Z17

10AX, 250V~
Color



3-gang One-way Switch
90681X68
90682Z68

10AX, 250V~
Color



One-way Switch, Illuminated
90681X19
90682Z19

10AX, 250V~
Color



2-gang One-way Switch, Illuminated
90681X50
90682Z50

10AX, 250V~
Color



Two-way Switch, Illuminated
90681X63
90682Z63

10AX, 250V~
Color



Push Button, Illuminated
90681X14
90682Z14

10AX, 250V~
Color



Push Button with Label, Illuminated 24V LED
90681X27
90682Z27

10AX, 250V~
Color

Socket



Socket 2P
90681X07
90682Z07

16A, 250V~
Color



Socket 2P+E
90681X08
90682Z08

16A, 250V~
Color



Socket 2P+E (French Standard) Child Protection
90681X45
90682Z45

16A, 250V~
Color



Double Socket 2P
90681X55
90682Z55

16A, 250V~
Color



Double Socket 2P+E
90681X56
90682Z56

16A, 250V~
Color

X Code Stands For: 0= White (Screwed Connection), 2= Beige (Screwed Connection)
Z Code Stands For: 0= Oak (Screwed Connection), 2= Mahogany (Screwed Connection)

Screw Terminal

TV-Data



TV Socket
90681X10 (Terminated)
90681X49 (Lossless)
90682Z10 (Terminated)
90682Z49 (Lossless)

Color ○ ○ ● ●



TV Socket
90681X59 (Through-pass 8dB)
90681X60 (Through-pass 12dB)
90682Z59 (Through-pass 8dB)
90682Z60 (Through-pass 12dB)

Color ○ ○ ● ●



Phone socket RJ11
90681X13
90682Z13

Color ○ ○ ● ●



Data Socket RJ45 Cat5E
90681X32
90682Z32

Color ○ ○ ● ●

Vertical Combination



Switch + Earthed Socket Vertical Combination
90681Y86
90682V86

Color ○ ○ ● ●



2-gang One-way Switch + Earthed Socket Vertical Combination
90681Y89
90682V89

Color ○ ○ ● ●



Switch Illuminated + Earthed Socket Vertical Combination
90681Y90
90682V90

Color ○ ○ ● ●



2-gang One-way Switch + Earthed Socket Vertical Combination
90681Y91
90682V91

Color ○ ○ ● ●

Horizontal Combination



Switch + Earthed Socket Horizontal Combination
90681Y86
90682V86

Color ○ ○ ● ●



2-gang One-way Switch + Earthed Socket Horizontal Combination
90681Y89
90682V89

Color ○ ○ ● ●



Switch Illuminated + Earthed Socket Horizontal Combination
90681Y90
90682V90

Color ○ ○ ● ●



2-gang One-way Switch + Earthed Socket Horizontal Combination
90681Y91
90682V91

Color ○ ○ ● ●

X Code Stands For: 0= White 2= Beige
Y Code Stands For: 0= White Vertical 1= White Horizontal 2= Beige Vertical 3= Beige Horizontal

Z Code Stands For: 0= Oak 2= Mahogany
V Code Stands For: 0= Oak Vertical 1= Oak Horizontal 2= Mahogany Vertical 3= Mahogany Horizontal

Screw Terminal

complementary products and wide variety of solutions







Accessories category offers quick and practical solutions at home and office with 3 m to 5 m length and single safe intermediate / extension options depending on the area of application. Various plug alternatives included in the product range offer options that make life easier for users. In addition to flush mount and plug and go products for one-stop 3-gang socket solution, flush mount boxes and junction boxes with Halogen free option on hallowwall and concrete wall systems meet requirements in full.

Accessories

Accessories



Iron Plug
90301900

Color ○



Earthed Iron Plug
90302000

Color ○



Socket
90302500

Color ○



Earthed Socket
90301800

Color ○



Earthed Plug
90304100

Color ○



Earthed Plug Black
90304110

Color ●



Monoblock Earthed Plug
90304200

Color ○



Monoblock Earthed Plug-French Standard
90304240

Color ○



Plug
90305400

Color ○



Plug Black
90305410

Color ●



Bakalite Switch
90302700

Color ○

Extension Cable (3m)
90302100



Color ○

Extension Cable (5m)
90302200



Color ○

Earthed Extension Cable (3m)
90302300



Color ○

Earthed Extension Cable
90302400



Color ○

Surface Mount and Flush Mount Socket Series



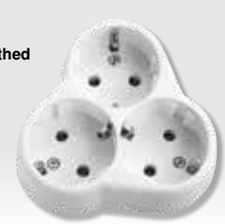
Yonca Three-Gang Earthed Socket-Plug
90303000

Color ○



Yonca Black Three-Gang Earthed Socket-Plug
90303300

Color ●



Yonca Flush Mount Three-Gang Earthed Socket
90304000

Color ○

Switch Boxes

Wall Box - Deep and Extendable
90926001



Wall Box - Extension Piece
90926005



Wall Box
90926003



Wall Box - Deep and Extendable Halogen Free
90926301



Wall Box - Extension Piece Halogen Free
90926305



Wall Box Halogen Free
90926303



Plasterboard Boxes

Hollow Wall Box 1-Gang
90926006



Hollow Wall Box 2-Gang
90926007



Hollow Wall Box 3-Gang
90926008



Hollow Wall Box 4-Gang
90926009



Hollow Wall Box 5-Gang
90926010



Hollow Wall Box 6-Gang
90926011



Hollow Wall Box 1-Gang Halogen Free
90926101



Hollow Wall Box 2-Gang Halogen Free
90926102



Hollow Wall Box 3-Gang Halogen Free
90926103



Hollow Wall Box 4-Gang Halogen Free
90926104



Hollow Wall Box 5-Gang Halogen Free
90926105



Hollow Wall Box 6-Gang Halogen Free
90926106



Junction Boxes and Lids

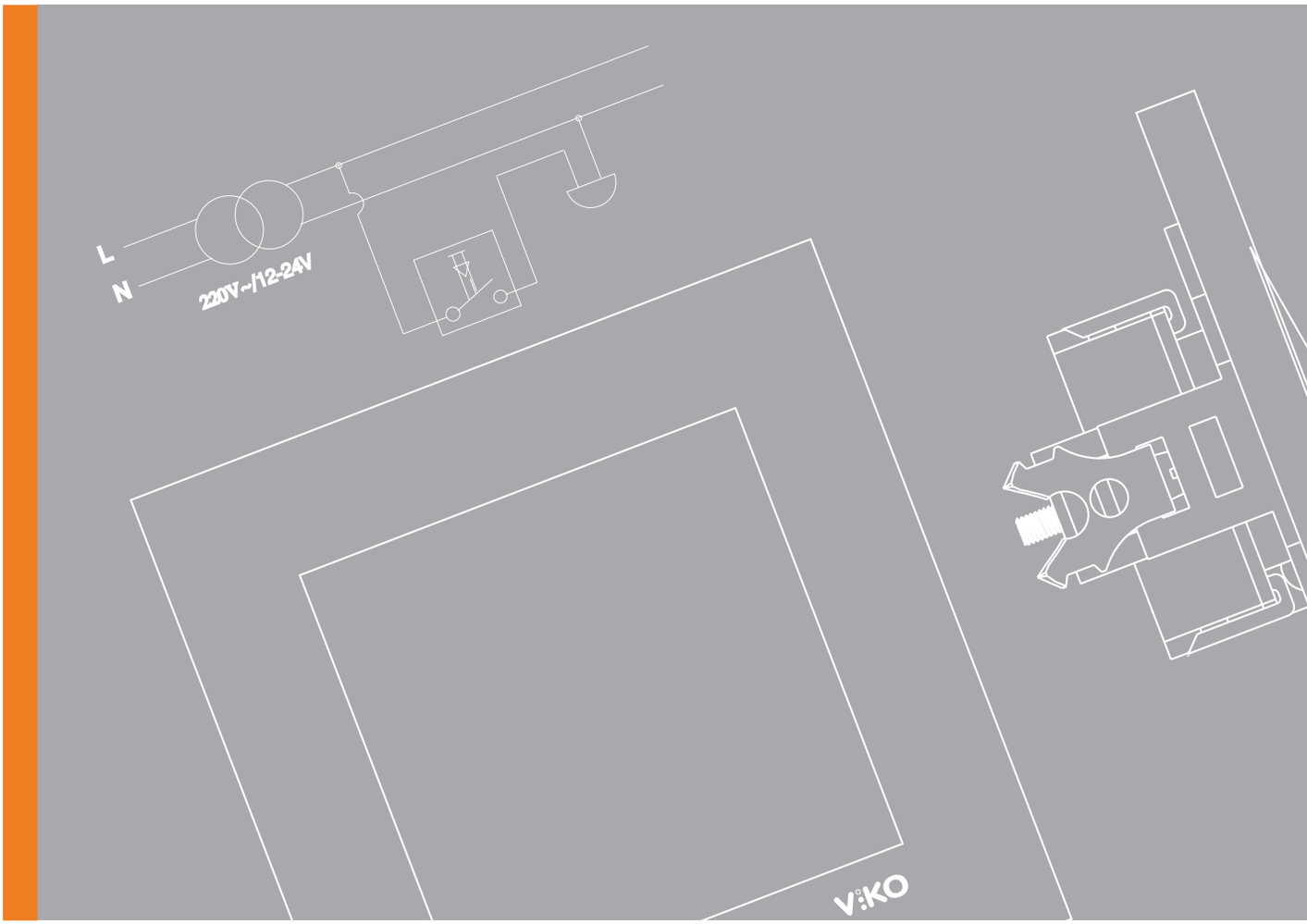
Junction Box - IP54
90937001

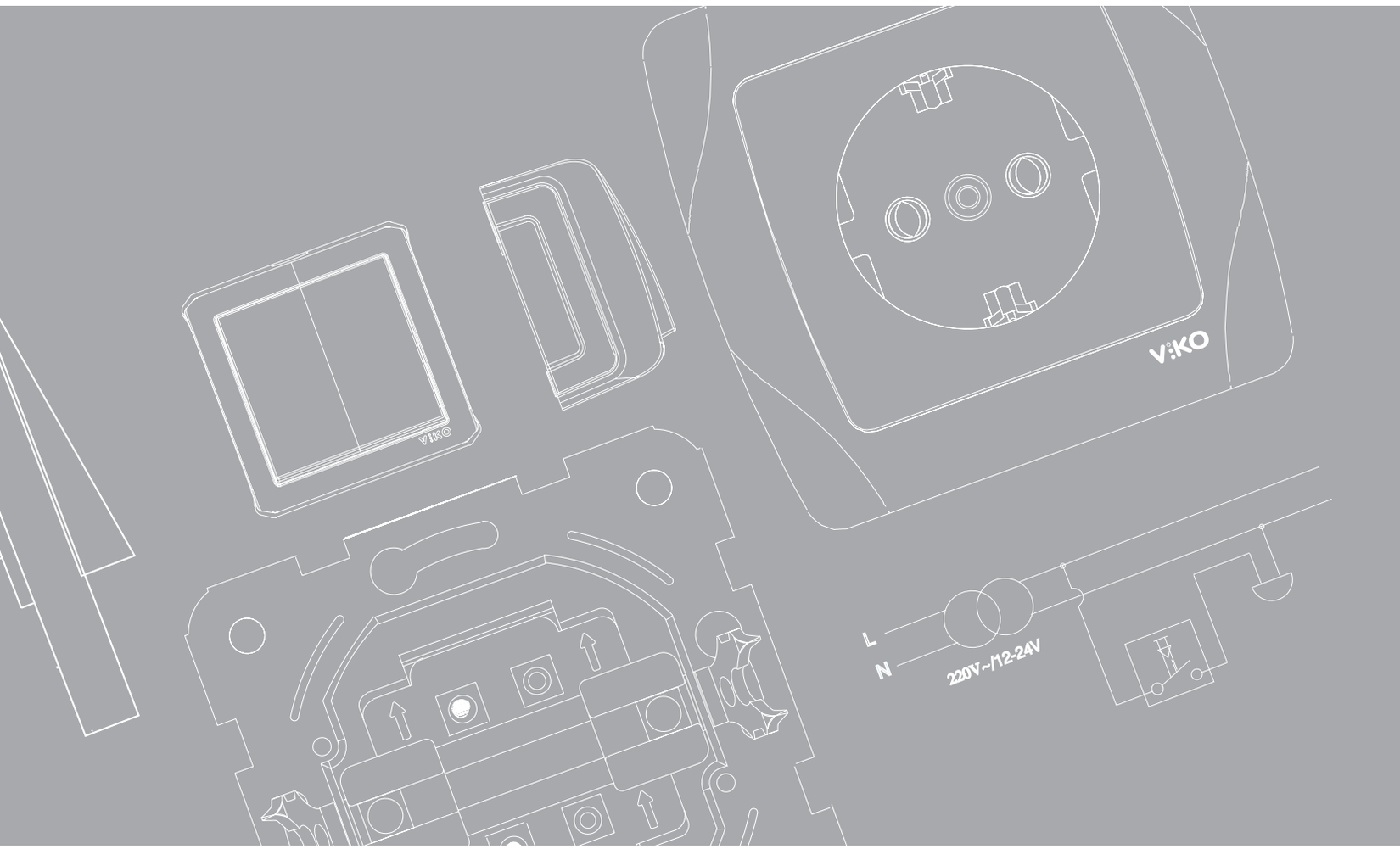


Junction Box Cover (Plastic Leg)
90937003



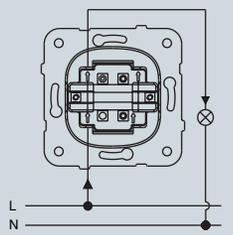
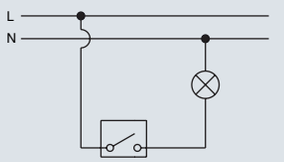
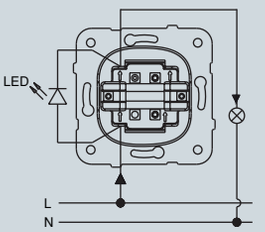
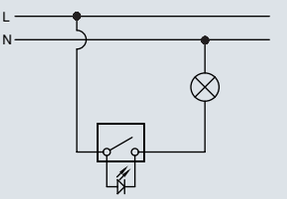
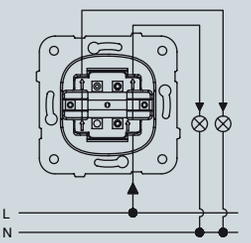
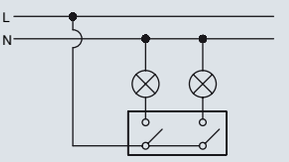
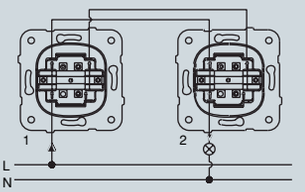
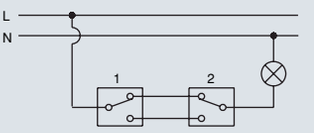
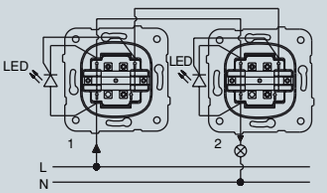
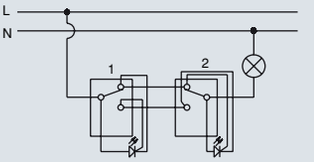
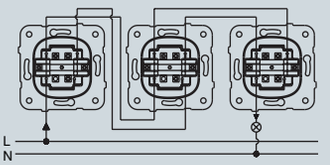
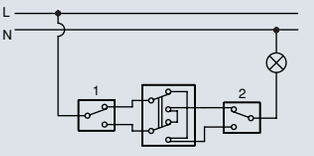
technical specifications

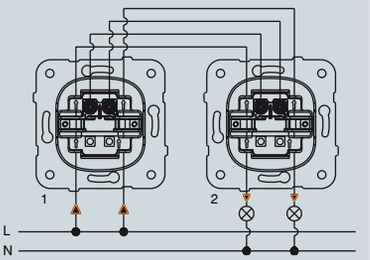
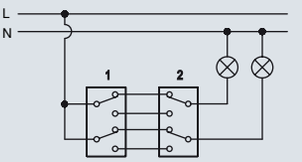
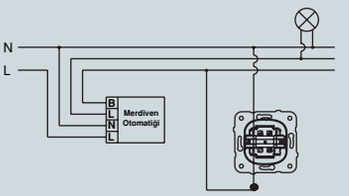
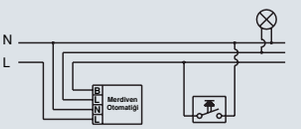
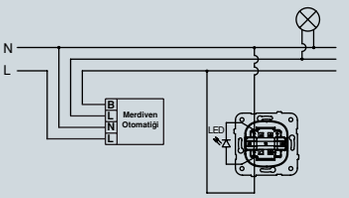
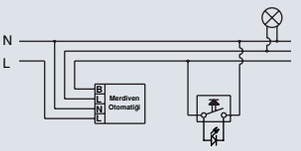
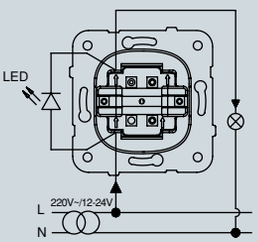
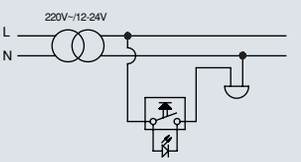
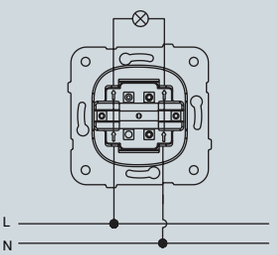
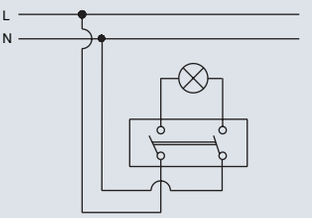
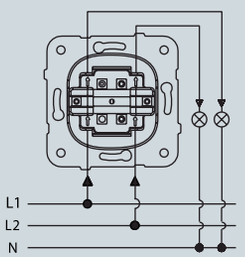
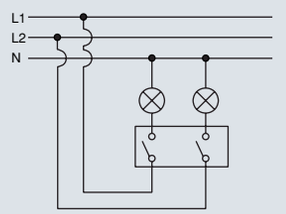



V:KO
V:KO
L
N
220V~/12-24V

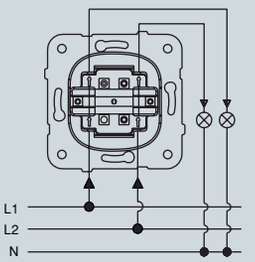
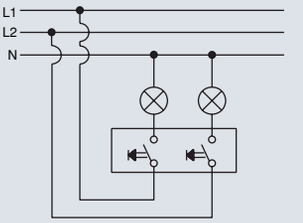
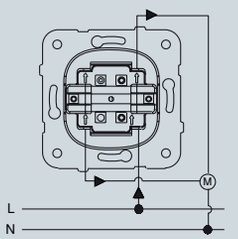
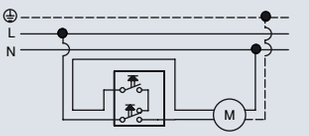
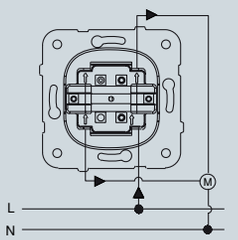
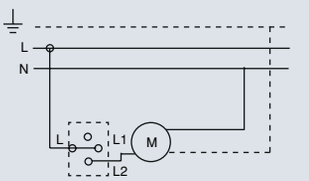
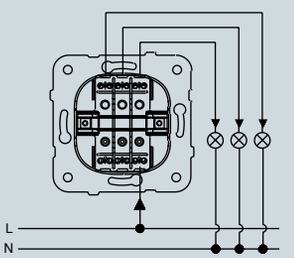
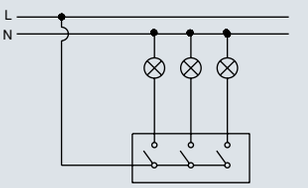
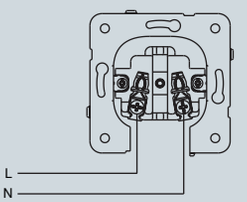
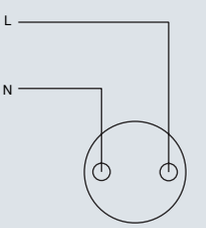
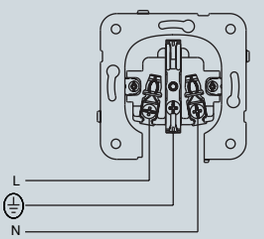
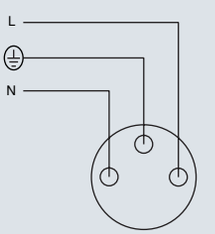
Technical Specifications

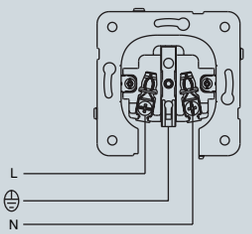
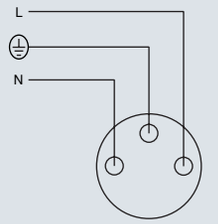
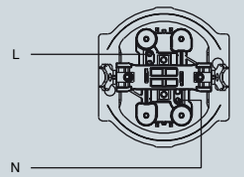
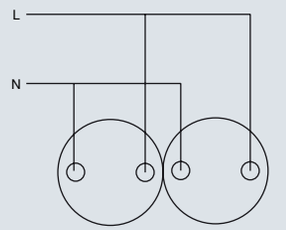
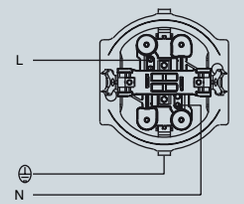
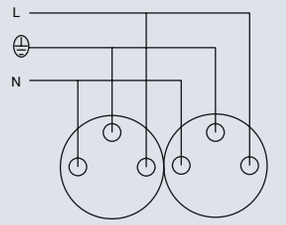
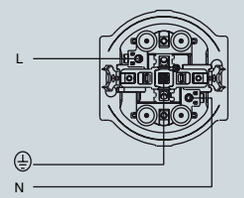
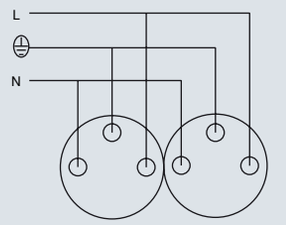
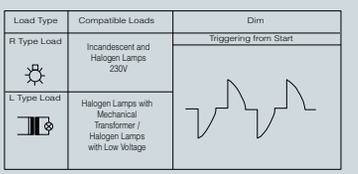
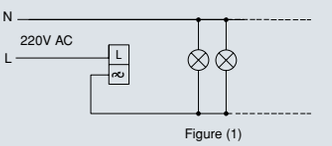
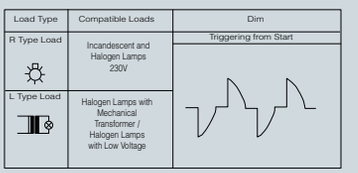
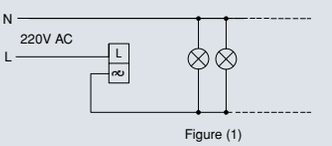
Switches

	Technical Specifications	Wiring Diagram	Circuit Diagram
One-way Switch	• Controls a lamp or lamp group from a point. • 10 AX, 250 V~ • One-way. • Screwed or screwless (quick connection) installation option.		
One-way Switch, Illuminated	• Controls a lamp or lamp group from a point. • 10 AX, 250 V~ • One-way. • With light indicator • Quick connection (screwless) installation.		
2-Gang One-way Switch	• Controls two different lamps or lamp groups from the same point. • 10 AX, 250 V~ • One-way, 2-button. • Single inlet. • Screwed or screwless (quick connection) installation option.		
Two-way Switch	• Controls a lamp or lamp group from two different points. • 10 AX, 250 V~ • Two-way. • Screwed or screwless (quick connection) installation option		
Two-way Switch, Illuminated	• Controls a lamp or lamp group from two different points. • 10 AX, 250 V~ • Single pole. • Two-way. • With light indicator. • Quick connection (screwless) installation.		
Intermediate Switch	• Controls a lamp or lamp group from more than two points. • 10 AX, 250 V~ • Two-way. • Screwed or screwless (quick connection) installation option.		

	Technical Specifications	Wiring Diagram	Circuit Diagram
2-gang Two-way Switch	• Controls two lamps or lamp groups from two different points. • 10 AX, 250 V~ • Two-way, two-button, two-inlet. • Screwed or screwless (quick connection) installation option.		
One-way Push Button	• Provides control signals for external triggering circuits such as staircase timer, motion sensor or automation systems. • 10 AX, 250 V~ • One-way. • Spring-loaded, instant triggering. • Screwed or screwless (quick connection) installation option.		
One-way Push Button, Illuminated	• Provides control signals for external triggering circuits such as staircase timer, motion sensor or automation systems. • 10 AX, 250 V~ • One-way. • Spring-loaded, instant triggering. • With light indicator. • Quick connection (screwless) installation.		
Push Button with Label, Illuminated	• Controls doorbell. • 10 AX, 250 V~ • One-way. • Spring-loaded, instant triggering. • With light indicator 24V. • Quick connection (screwless) installation.		
2-pole Switch	• Switches 2 connected poles at the same time and allows phase and neutral to be disconnected together. • 16 AX / 10 AX, 250 V~ • Double pole, one-way. • Screwed or screwless (quick connection) installation option.		
Double One-way Switch	• Controls two different lamps or lamp groups independent from each other. • Allows connection of different phases with two independent phase inlets. • 10 AX, 250 V~ • One-way, 2-button. • Two-inlet. • Screwed or screwless (quick connection) installation option.		

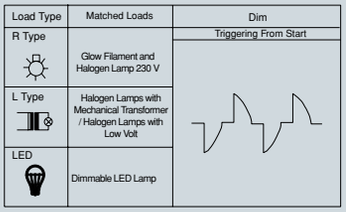
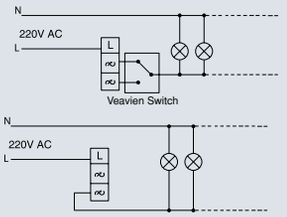
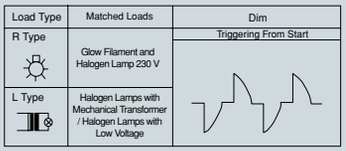
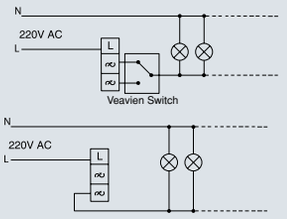
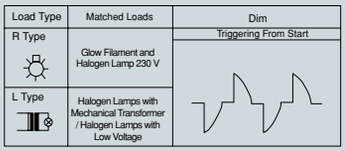
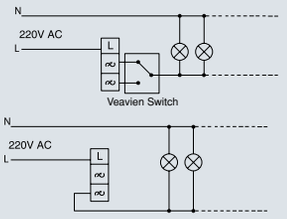
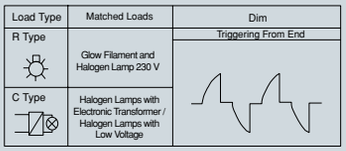
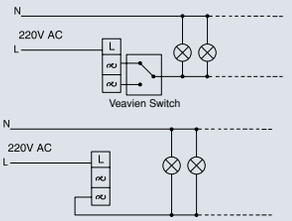
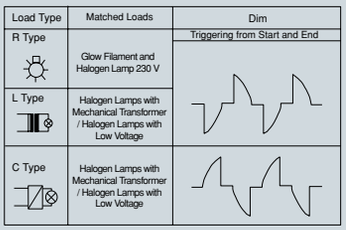
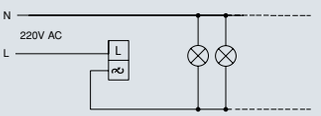
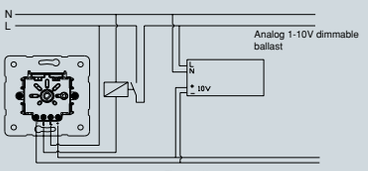
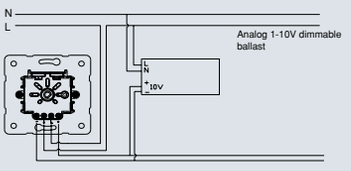
Technical Specifications

		Technical Specifications	Wiring Diagram	Circuit Diagram
Switches	**Double One-way Push Button**	• Provides two different control signals for external triggering circuits such as motion sensor or automation systems. • Allows connection of different phases with two independent phase inlets. • 10 AX, 250 V~ • Two-way, 2-button, two-inlet. • Spring-loaded, instant triggering. • Screwed or screwless (quick connection) installation option.		
	Shutter Control Switch	• Controls upward and downward motion of blind motors by changing the direction of rotation of blind motors with two buttons. • 10 AX, 250 V~ • Two-way, 2-button, two-inlet. • Spring-loaded, instant triggering option. • Screwed or screwless (quick connection) installation option. • Prevents electrical energisation of two ends of motor at the same time. • Mechanical locking option preventing pressing the buttons at the same time.		
	Single Button Blind Control Switch	• Controls upward and downward motion of blind motors by changing the direction of rotation of blind motors with a single button. • 10 AX, 250 V~ • Two-way, three-position. • Screwless (quick connection) installation option.		
	Three-Gang Switch	• Controls three lamps or lamp groups from the same point. • 10 AX, 250 V~ • One-way, 3-button, one-inlet. • Screwed installation.		
Socket	**Socket 2P**	• 16 A, 250 V~ • 2P • Quick installation option. • Child protection option.		
	Socket 2P+E	• 16 A, 250 V~ • 2P+E • Quick installation option. • Child protection, label and lid option.		

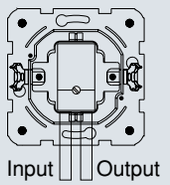
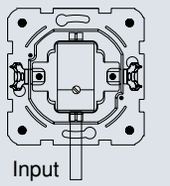
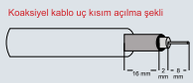
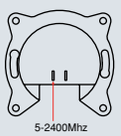
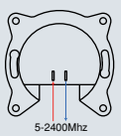
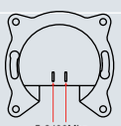
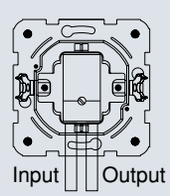
		Technical Specifications	Wiring Diagram	Circuit Diagram
Socket	**Earthed Socket 2P+E (French Standard)**	• 16 A, 250 V~ • 2P+E (French Standard) • Quick installation option. • Child protection. • Label and lid option.		
	Double Socket 2P	• 16 A, 250 V~ • 2P • Child protection option.		
	Double Socket 2P+E	• 2P+E • Child protection option.		
	Double Socket 2P+E (French Standard)	• 16 A, 250 V~ • 2P+E (French Standard) • Child protection.		
Dimmers	**Rotary Dimmer RL 600W**	• RL Dimmer. • Maximum Output: 600W (R Type Load), 500VA (L Type Load) • Minimum Output: 60W (R Type Load), 100VA (L Type Load)		 Figure (1)
	Rotary Dimmer RL 1000W	• RL Dimmer. • Maximum Output: 1000W (R Type Load), 800VA (L Type Load) • Minimum Output: 60W (R Type Load), 100VA (L Type Load)		 Figure (1)

Technical Specifications

Dimmerler

	Technical Specifications	Function Table	Circuit Diagram
Pro Dimmer RL 6-100W (LED Dimmer)	• RL Dimmer • Maximum Output: 100W (R Type Load), 100VA (L Type Load) E4 • Minimum Output: 6W • Veavien usage. • On/off function thanks to adjustable dimming.		
Pro Dimmer RL 60-400W/VA	• RL Dimmer • Maximum Output: 400W (R Type Load), 400VA (L Type Load) • Minimum Output: 60W • Veavien usage. • On/off function thanks to adjustable dimming.		
Pro Dimmer RL 20-500W	• RL Dimmer • Maximum Output: 500W (R Type Load), 500VA (L Type Load) • Minimum Output: 20W • Veavien usage. • On/off function thanks to adjustable dimming.		
Pro Dimmer RC 40-400W/VA	• RC Dimmer • Maximum Output: 400W (R Type Load), 400VA (C Type Load) • Minimum Output: 40W • Veavien usage.		
Pro Dimmer RLC 20-350W/VA	• RLC Dimmer • Maximum Output: 350W (R Type Load), 350VA (L Type Load), 350VA (C Type Load), • Minimum Output: 20W • On/off function thanks to adjustable dimming.		
1-10V Dimmer	• 1-10V • Dimmable ballast • On/off function thanks to adjustable dimming.	 Figure (1)	

TV Socket

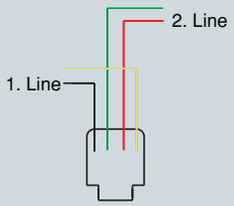
	Technical Specifications	Table	Circuit Diagram
TV Socket	Equipped with a display. Not influenced by aerial radio signals. • Screwed connection. **Through-pass TV Socket** Used where broadcasting is received from UHF/VHF bands to the center through antenna system and transmitted from socket to socket or in multi-storey buildings transmitted from one floor to another and distributed to more than one TV receiver. **Terminated TV Socket** Used in star distribution system employed for distribution of broadcasting such as internet, cable TV or central satellite. Furthermore, it can be used at the end of common antenna systems. **Lossless TV Socket** Used with stand-alone internet, cable TV or satellite broadcasting systems or stand-alone antenna receivers. • The socket to be installed after ampli fiers should be selected in accordance with the level of TV signal between 60-85 dBuV among transitive 12 dB and 8 dB, terminated and resistless sockets.	TV Socket (Terminated) Frequency range (f/MHz) | 5 MHz | 860 MHz | 950 MHz | 1000 MHz IN-OUT (DB) | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 TV Socket (Through-pass) Frequency range (f/MHz) | 5 MHz | 860 MHz | 950 MHz | 1000 MHz IN-OUT (DB) | ≤ 1,6 | ≤ 1,7 | ≤ 1,8 | ≤ 2,0 IN-TAP (DB) | ≤ 15 | ≤ 15 | ≤ 15 | ≤ 15,5 TV Socket (Lossless) Frequency range (f/MHz) | 5 MHz | 860 MHz | 950 MHz | 1000 MHz IN-TAP (DB) | ≤ 3.5 dB | ≤ 3.5 dB | ≤ 3.5 dB | ≤ 3.5 dB IN-OUT (DB) | ≤ 3.5 dB | ≤ 5 dB | ≤ 5 dB | ≤ 5 dB	  
TV and Satellite Socket (TV - SAT) **Satellite-TV-Radio Socket (SAT-TV-RAD)**	• Equipped with a display. Not influenced by aerial radio signals. • Used for receiving broadcasting from Internet, interactive applications, cable TV and UHF / VHF bands. **Through-pass Socket:** Used where broadcasting is received from UHF/VHF bands to the center through antenna system and transmitted from socket to socket or in multi-storey buildings transmitted from one floor to another and distributed to more than one TV receiver. **Terminated Socket:** İnternet, kablolu TV veya merkezi uydu gibi yayınların dağıtımı için kullanılan yıldız dağıtım sisteminde kullanılır. Ayrıca ortak anten sistemlerinin sonunda da kullanılabilir. • The socket to be installed after the amplifier must be selected in accordance with the TV signal level between 60-85 dBuV among transitive and terminated sockets (TV SAT=8, 11dB, SAT-TV-RAD=13dB). Used for receiving broadcasting from Internet, interactive applications, cable TV and UHF / VHF bands and satellite broadcasting.	TV - SAT (Terminated) Frequency range (f/MHz) | 5 MHz | 860 MHz | 950 MHz | 1000 MHz | 1,2 GHz | 1,6 GHz | 2,0 GHz | 2,25 GHz | 2,4 GHz SAT IN-OUT (DB) | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 TV IN-OUT (DB) | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 TV - SAT (Through-pass) Frequency range (f/MHz) | 5 MHz | 860 MHz | 950 MHz | 1000 MHz | 1,2 GHz | 1,6 GHz | 2,0 GHz | 2,25 GHz | 2,4 GHz SAT IN-OUT (DB) | ≤ 11,5 | ≤ 11,5 | ≤ 11,5 | ≤ 12 | ≤ 12,5 | ≤ 14 | ≤ 14 | ≤ 14 | ≤ 14,5 SAT IN-TAP (DB) | ≤ 2,5 | ≤ 2,5 | ≤ 2,5 | ≤ 2,5 | ≤ 3 | ≤ 3,8 | ≤ 4,5 | ≤ 5 | ≤ 5,5 TV IN-OUT (DB) | ≤ 1,6 | ≤ 1,7 | ≤ 1,8 | ≤ 2,0 TV IN-TAP (DB) | ≤ 15 | ≤ 15 | ≤ 15 | ≤ 15,5	Terminated   Transitive
Two-Gang Satellite Socket (SAT-SAT-TV)	• Equipped with a display. Not i nfluenced by aerial radio signals. • Used for receiving broadcasting from Internet, interactive applications, cable TV and UHF / VHF bands.	TV-SAT-SAT (Terminated) Frequency range (f/MHz) | 5 MHz | 860 MHz | 950 MHz | 1000 MHz | 1,2 GHz | 1,6 GHz | 2,0 GHz | 2,25 GHz | 2,4 GHz IN-OUT (DB) | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5	 Terminated
Satellite Socket (SAT) F Connector	Used for receiving broadcasting from Internet, interactive applications, cable TV and UHF / VHF bands and satellite **Through-pass Socket:** Used where broadcasting is received from UHF/VHF bands to the center through antenna system and transmitted from socket to socket or in multi-storey buildings transmitted from one floor to another and distributed to more than one TV receiver. **Terminated Socket:** Used in star distribution system employed for distribution of broadcast ing such as internet, cable TV or central satellite. Furthermore, it can be used at the end of common antenna systems. • The socket to be installed after ampli fier should be selected in accordance with the level of TV signal between 60-85 dBuV among transitive and terminated sockets. (Transitive 10dB, terminated)	SAT (Terminated) Frequency range (f/MHz) | 5 MHz | 860 MHz | 950 MHz | 1000 MHz | 1,2 GHz | 1,6 GHz | 2,0 GHz | 2,25 GHz | 2,4 GHz SAT IN-OUT (DB) | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5 | ≤ 3,5	

Technical Specifications

Data

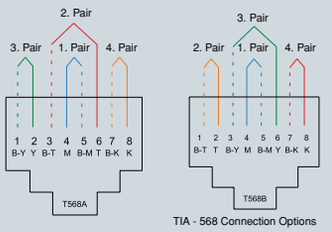
Numeric Telephone Socket (RJ11)

- RJ11 4 contacts.
- 2 telephone lines can be connected. Black wire are for the 1st line and green and red wires are for the 2nd line.

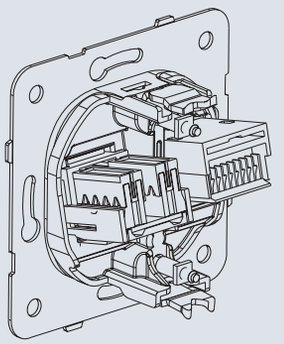


Data Socket (RJ45 Cat 5)

- In compliance with EIA/TIA 568 standards; RJ45
- Supports EIA/TIA 568 A and B standards.
- Pins must be marked in accordance with 568 A and 568 B.

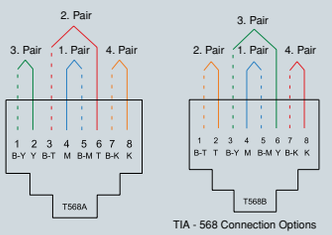


TIA - 568 Connection Options



Data Socket (RJ45 Cat 6)

- In compliance with EIA/TIA 568 standards; RJ45
- Supports EIA/TIA 568 A and B standards.
- Pins must be marked in accordance with 568 A and 568 B.

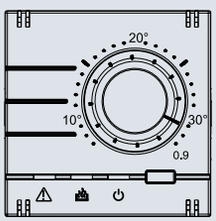


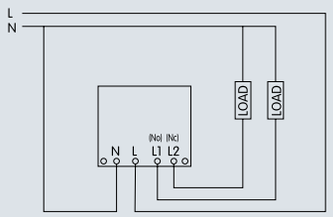
TIA - 568 Connection Options

Electronic Products

Analog Thermostat

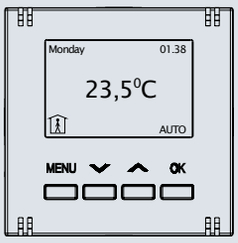
Maximum output current • Changeover/Normal open contact • Changeover/Normal close contact	 NO: 10(2)A 230V AC NC: 5(1) 230V AC
Operating voltage	230VAC +/-10%, 50Hz
Temperature control range	10-30 ºC +/-1ºC
Minimum switching time	5 dk
Operating temperature	0-30 ºC
Protection	IP20
Standard	EN 60730-1 EN 60730-2-9

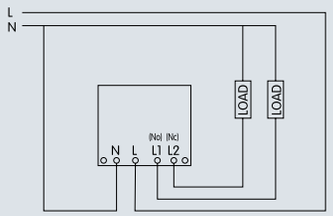




Programmable Digital Thermostat

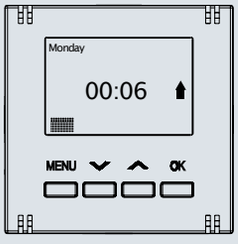
Maximum output current • Changeover/Normal open contact • Changeover/Normal close contact	 NO: 10(2)A 230V AC NC: 5(1)A 230V AC"
Operating voltage	230VAC +/-10%, 50Hz
Power reserve	25ºC de 6 saat
Temperature control range	5-30 ºC +/-1ºC
Memory	Günlük 4 çalışma aralığı
Minimum switching time	5 dk
Operating temperature	0-30 ºC
Protection	IP20
Standard	EN 60730-1 EN 60730-2-9"

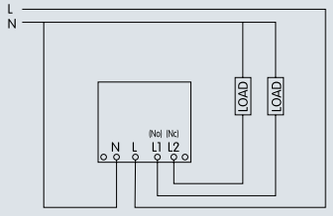




Programmable Shutter Control

Maximum output current	NC: 5(2)A 230V AC
Operating voltage	230VAC +/-10%, 50Hz
Power reserve	25ºC de 6 saat
Memory	Günlük 4 çalışma aralığı
Operating temperature	0-30 ºC
Protection	IP20
Standard	EN 60669-2-1



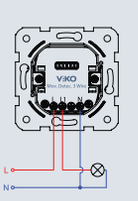


Technical Specifications

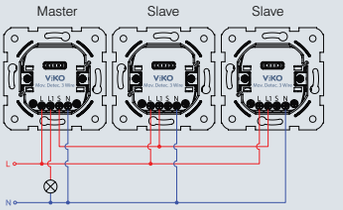
Motion Detector

With Neutral (3 Wire)

Detection angle	180º Horizontal
Detection distance	8m max
Time adjustment	10sec-20min
Supply voltage	220V-240V AC Hz
Operating temperature	0 - 35 ºC
Installation height	1m-2m
Load types	Lamps with glow filament: 2300W
	For halogen lamps using mechanical transformer: 1500VA
	For halogen lamps using electronic transformer: 1500VA
	For dimmable CFL lamps: 1500VA
Daylight adjustment	5 - 250 Lux
Inrush Current	Maximum 20ms (for lamps with glow filament) 80A



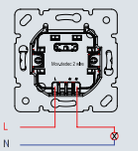
Normal Operating Connection



Master / Slave Operating Connection

Without Neutral (2 Wire)

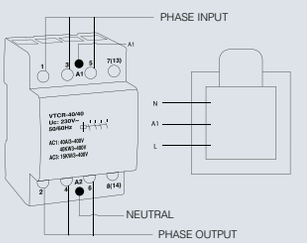
Detection angle	180° Horizontal
Detection distance	8m max
Time adjustment	10sec-20min
Supply voltage	220V-240V AC Hz
Operating temperature	0 ~ +35°C
Installation height	1m ~ 2m
Load types	50W/VA-300W/VA
	Not used with LED, Fluorescent and CFL Lamps"
Daylight adjustment	5 - 250 Lux

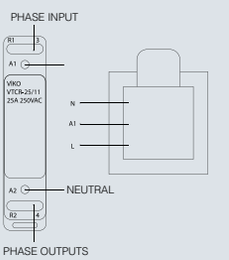


Energy Saver

Standard Energy Saver - With Delay

Operating voltage	230V 50Hz
Operating temperature	0-45 ºC
Maximum switching current	0,5A
Data cable	Minimum 0.50 mm² çap
Switching components	Tristör , MOSFET
Switching time	Maksimum 1sn
Delay time	15sec +/-3sec
Standard	EN 60669-2-1





Standard Energy Saver - Relay

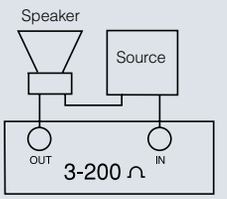
Operating voltage	230VAC 50Hz
Switching Current	10 A
Operating Temperature	-40 ~ +70˚C
Coil Resistance	19.465 kOhms

ESCU Relay

Operating voltage	230VAC +-10% 50Hz
Switching Current	16 A
Operating Temperature	15sec
Switching Component	Relay

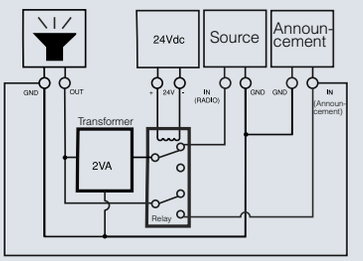
Music Broadcasting Switch

- 11-level volume adjustment
- With 2VA transformer
- Appropriate for systems with line transformer
- 4x100W loudspeaker support with line transformer
- Appropriate for deep boxes
- Built-in relay unit for 100V audio system and emergency announcements.



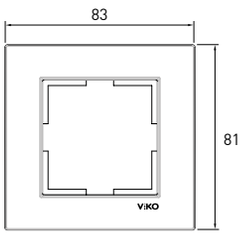
Emergency Announcement Music Broadcasting Switch with Transformer

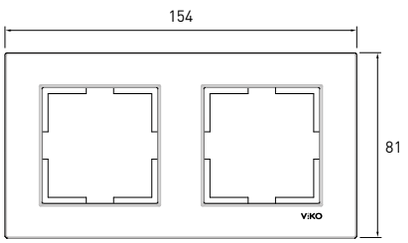
- 11-level volume adjustment
- 3-1200 Ω
- Appropriate for shallow boxes
- 5W loudspeaker input
- Volume adjustment with 8Ω ohmic resistance

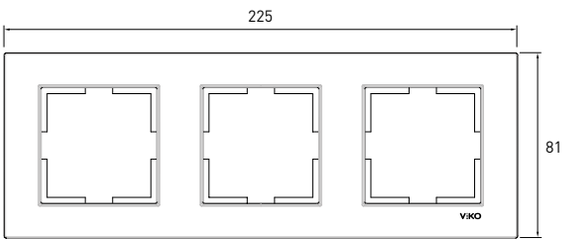


Technical Specifications

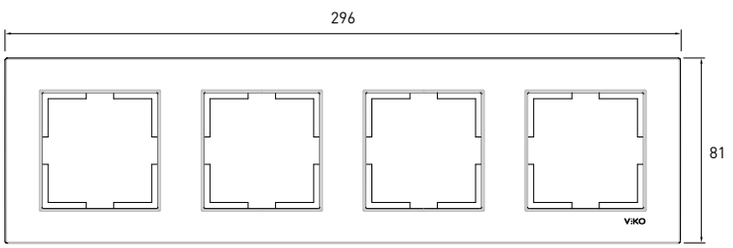
Karre Frames

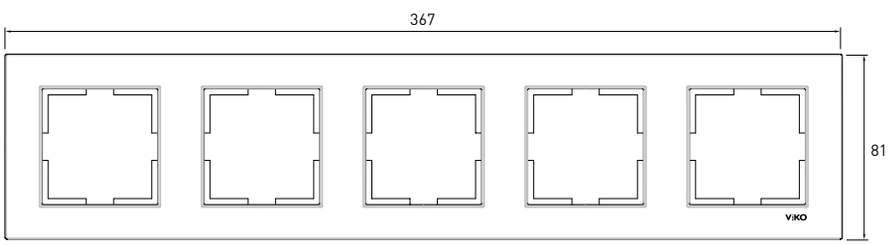


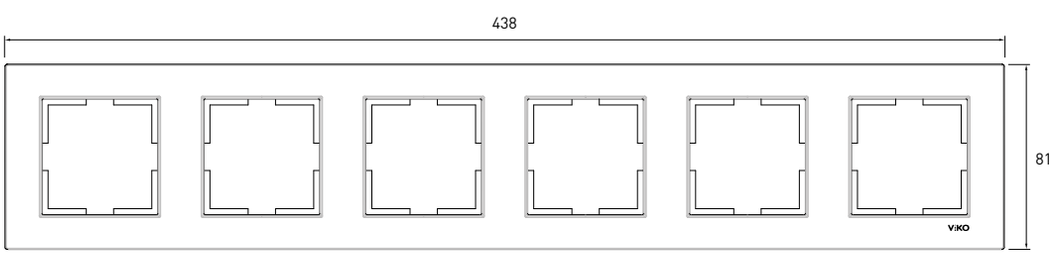


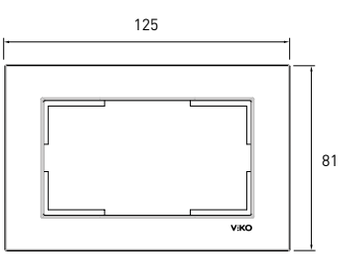


3-Gang Frame



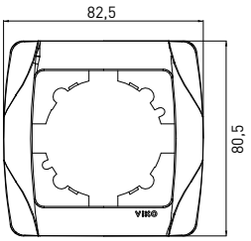




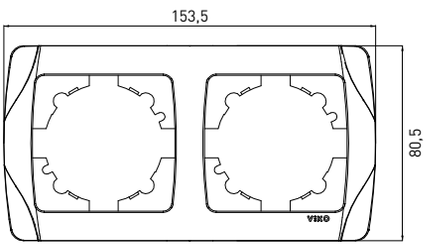


* All dimensions are given in mm.

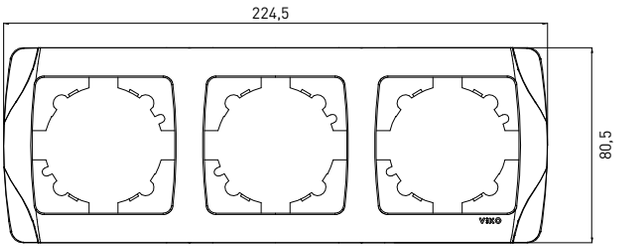
Carmen Opak Frames



One-Gang Frame



2-Gang Frame



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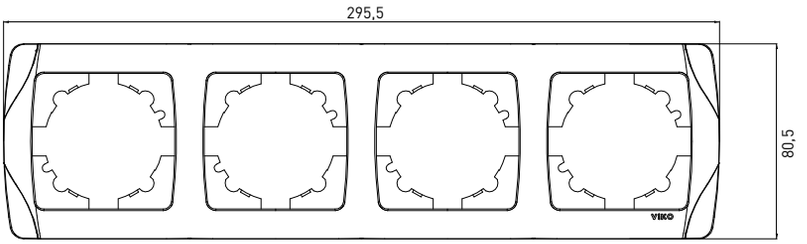
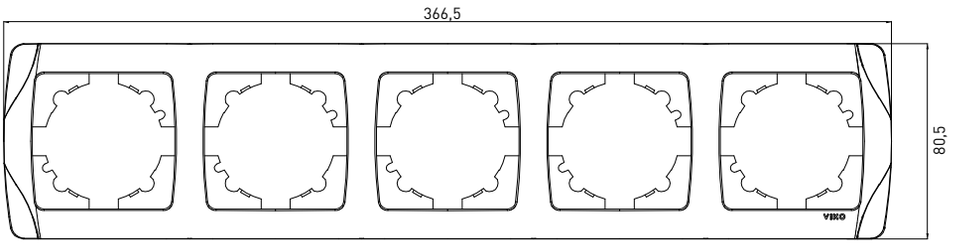
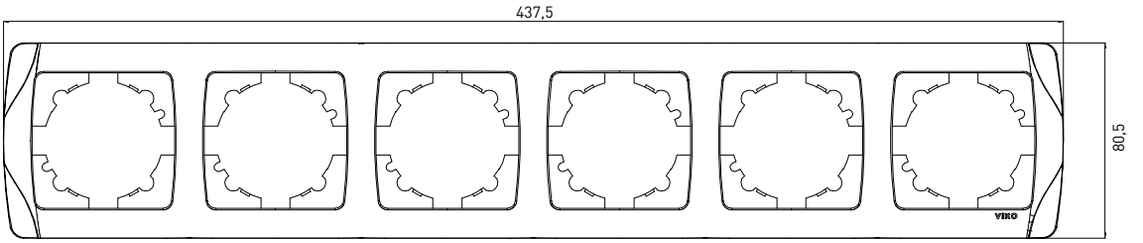


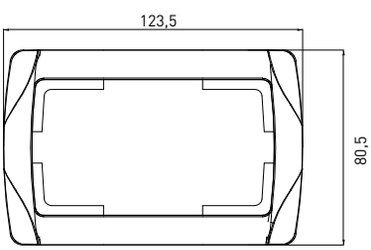
4-Gang Frame



5-Gang Frame



6-Gang Frame

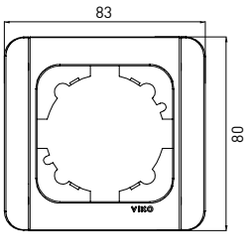


Flush Mounted Frame

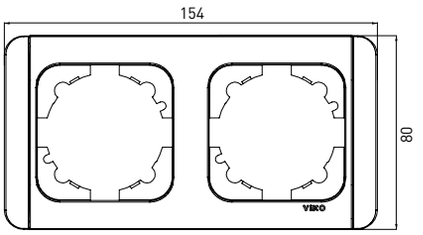
* All dimensions are given in mm.

Technical Specifications

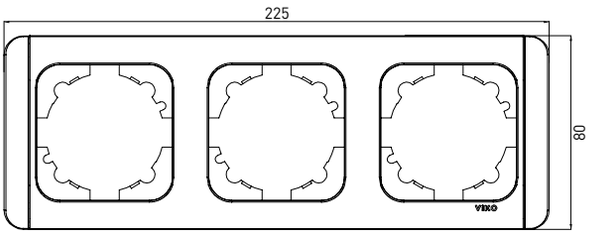
Kardelen Frames



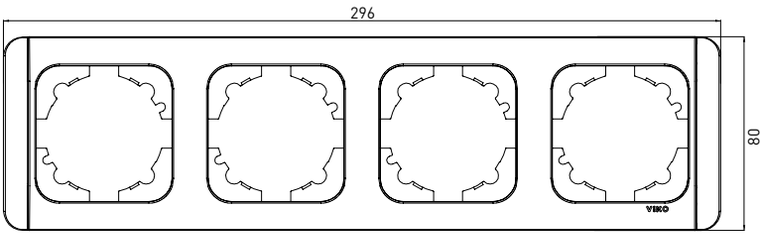
One-Gang Frame



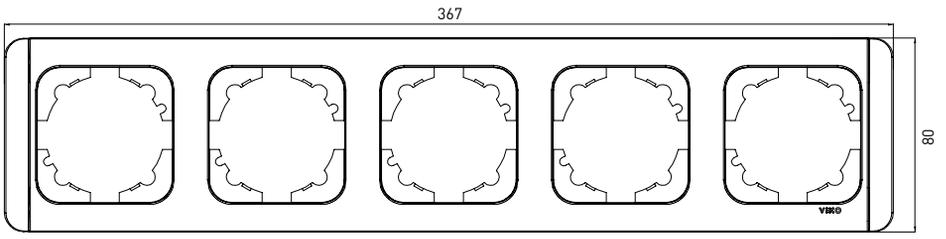
2-Gang Frame



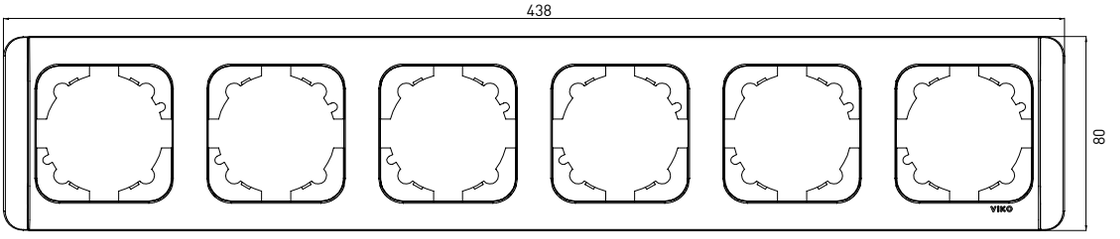
3-Gang Frame



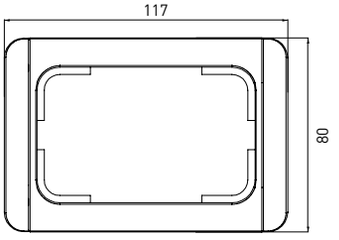
4-Gang Frame



5-Gang Frame



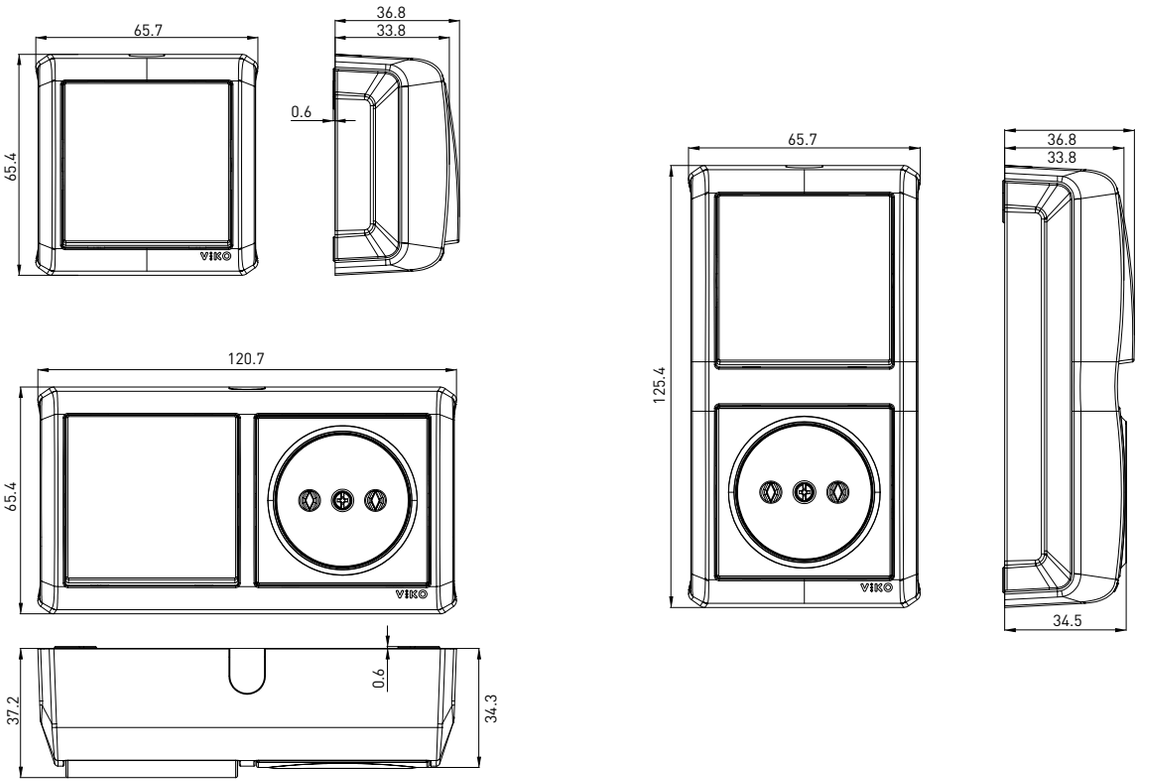
6-Gang Frame



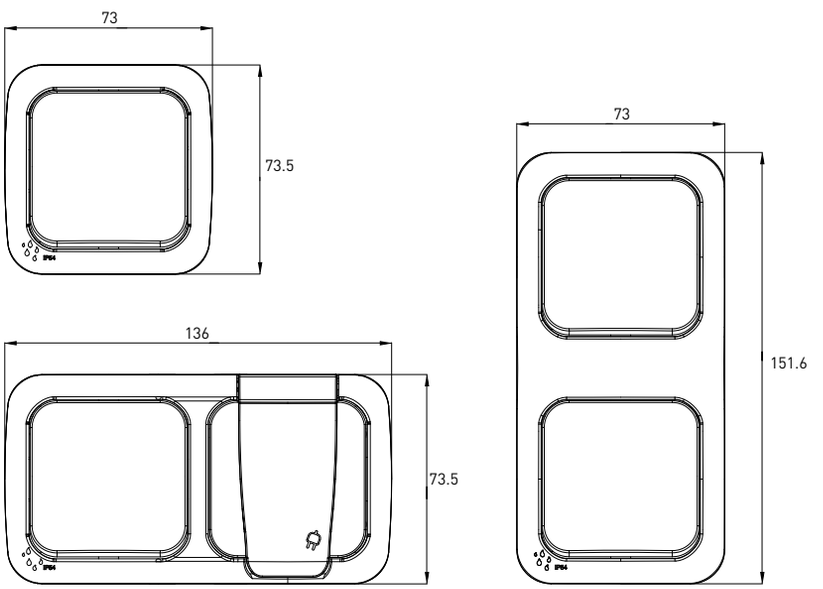
Flush Mounted Frame

* All dimensions are given in mm.

Vera Dimensions



Palmiye Dimensions



* All dimensions are given in mm.

high trust in low voltage



V:KO by Panasonic

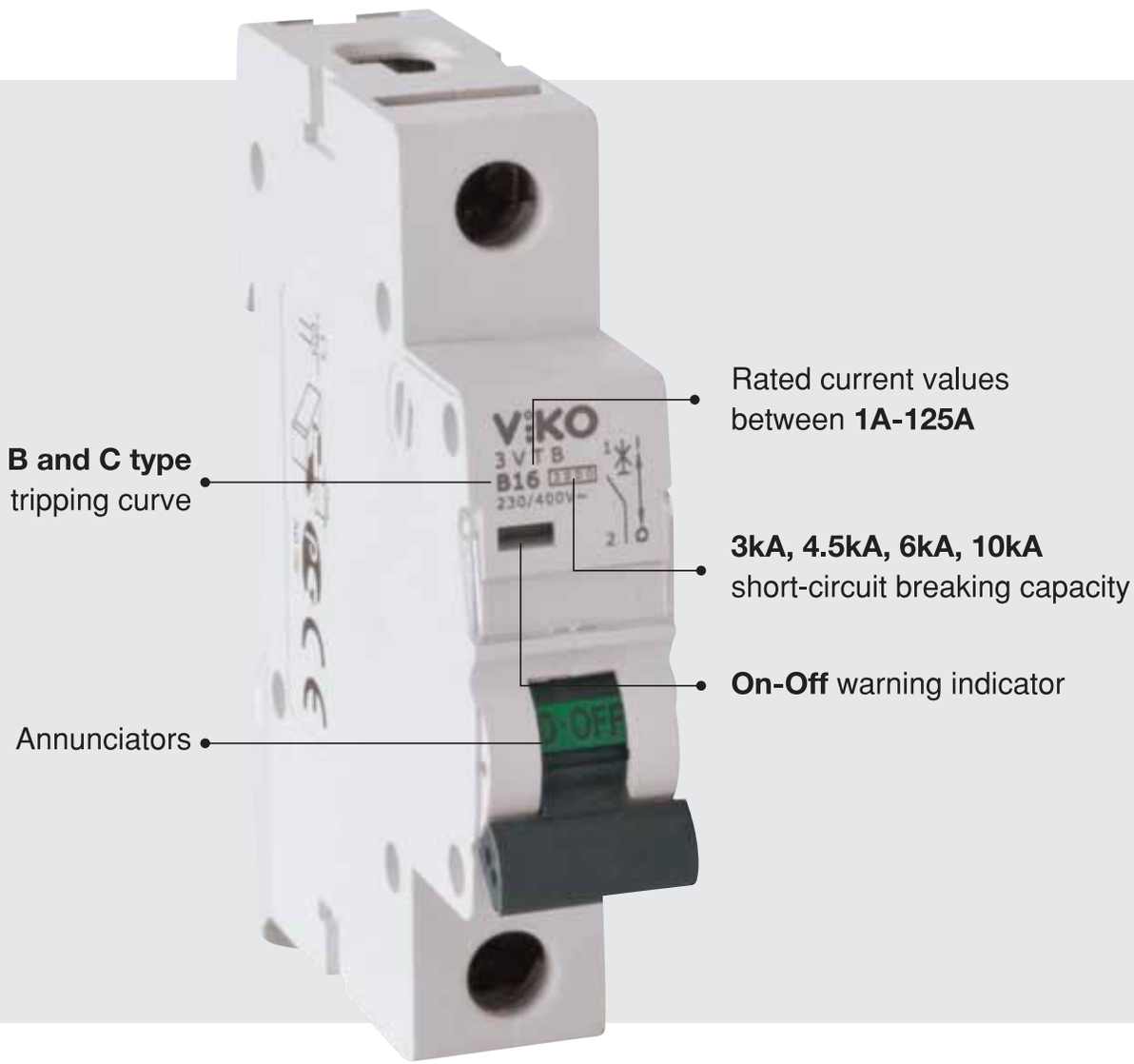


Automate your safety...



- Body structure designed according to high disconnecting capacity
- Energy saving with low power consumption
- Class IP20 connection terminals with high protection against manual contact
- 12-plate cell to attenuate the active arc formed
- AgC4 contact structure for long life
- Phase + neutral option in single polar structure
- Wide range of accessories





Miniature circuit breakers provide superior protection with their thermal-magnetic tripping feature.

Thermal Protection

Provides protection by switching off in case of overload. Activates the thermocouple mechanism which tilts due to high temperature and make main contacts disconnect from each other.

Magnetic Protection

At heavy currents or in case of short-circuit, piston inside the coil switches off by triggering the mechanism with magnetic changes and provides protection.

Miniature Circuit Breaker

Advantages



Compatibility with DIN Rails and Screw Assembly
Product can be installed on any desired surface, even in the absence of a DIN rail.

All Types of Busbar Connections
Provides an installation safer than wiring and an aesthetical, fast connection





Protected Terminals
Ensures that the wire is fully inserted into terminal through protected terminals. At the same time, it does not allow a faulty wire connection and prevents arc formation during installation.

Labeling System
By looking on top of the fuse, it is easy to understand in which line a problem is, finding the fault becomes more convenient.





Annunciators
Annunciator on the circuit breaker makes the switch position visible. This feature minimizes the malfunction time and enables safe intervention to the assembly.

- OFF position
- ON position

Insulation Wall
At multiple connections, it does not allow circuit breakers to contact each other, eliminates the potential arc and short-circuit risk, protects the assembly.



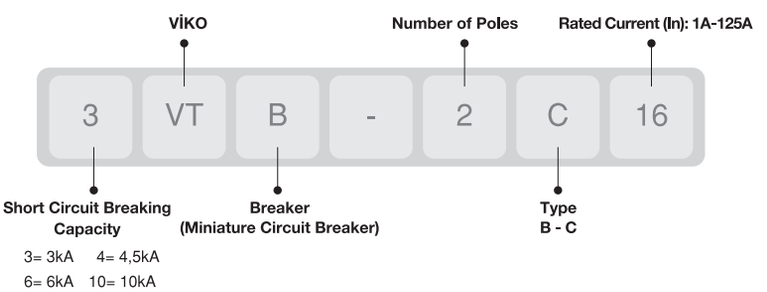


Compatibility with Accessories
With compatibility of the auxiliary accessory assembly spot, it offers the option to use with accessories.

Technical Information

Model	3VTB				4VTB				6VTB				10VTB			
Protection	Overload and Short-Circuit															
Standards	IEC / EN 60898 TS 5018-1 EN 60898-1				IEC / EN 60898 TS 5018-1 EN 60898-1				IEC / EN 60898 TS 5018-1 EN 60898-1				IEC / EN 60898, IEC / EN 60947-2 TS 5018-1 EN 60898-1			
Quality Certificates	TSE			CE	TSE			CE	TSE			CE	TSE*			CE
Number of Poles	1P	2P	3P	4P	1P 1PN	2P	3P	4P	1P	2P	3P	4P	1P	2P	3P	4P
Tripping Characteristics	B-C	B-C	B-C	B-C	B-C	C	C	C	B-C	B-C	B-C	B-C	B-C	C	C	C
Connection Section	2A-63A 25 mm^2				2A-63A 25 mm^2				2A-63A 25 mm^2				2A-63A 25 mm^2, 80A-125A 35 mm^2			
Rated Frequency	50/60Hz															
Disconnecting Capacity	3kA - 230/400V AC				4.5kA - 230/400V AC				6kA - 230/400V AC				10kA - 230/400V AC			
Rated Current Values																
2A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
63A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
80A													✓	✓	✓	✓
100A													✓	✓	✓	✓
125A													✓	✓	✓	✓
Rated Voltage of Impact Resistance	6kV															
Rated Insulation Voltage	690V															
Electrical Endurance	10.000 cycles															
Mechanical Endurance	20.000 cycles															
Surrounding Temperature Min / Max	-5 / +40°C															
Protection Class	IP20															
Mounting Type	DIN EN 50 022 - 35 mm^2															

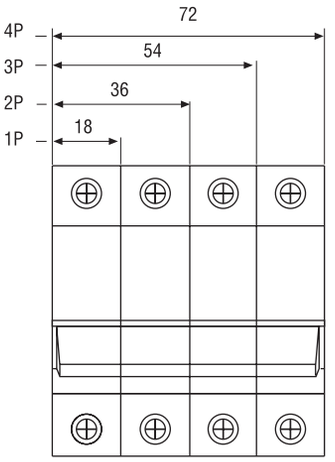
* 80 - 100 - 125 A not included.

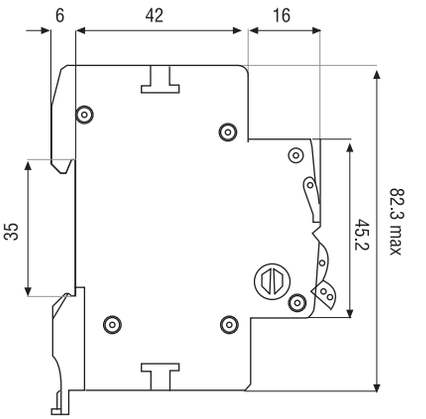


Miniature Circuit Breaker

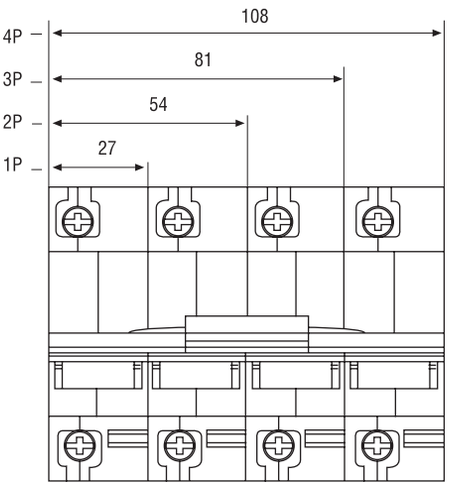
Dimensions (mm)

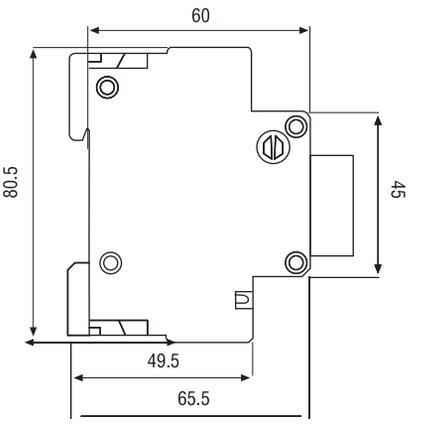
2-63A



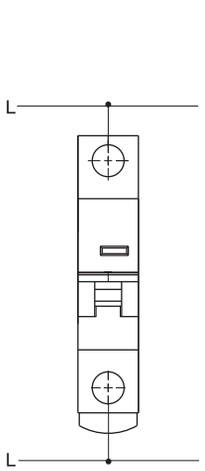


80-125A

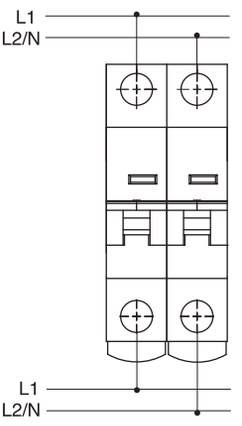




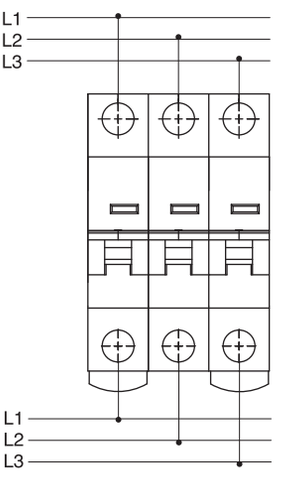
Connection Diagram



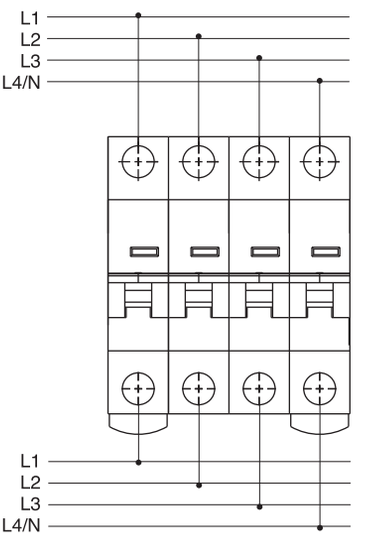
1 Pole



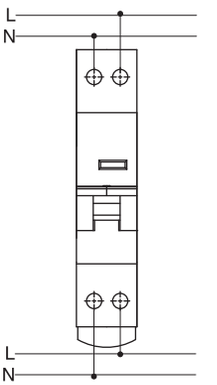
2 Poles



3 Poles



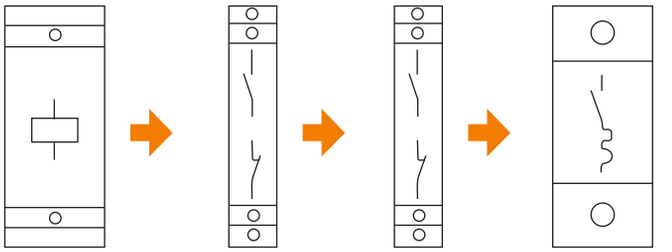
4 Poles



1 Pole
Phase + Neutral

Accessories





VİKO miniature circuit breaker have a quite wide range of accessory series and satisfy users' every need, thanks to its fast mounting possibility due to the feature of screwless type connection.

3 VTB - 4 VTB Series Miniature Circuit Breaker Accessories

Description		Ref. No
Auxiliary Contact Block 2 - 63A	1NO + 1NC	VTBA-AU1/11
Auxiliary Contact Block 80 - 125A	1NO + 1NC	VTBA-AU3/11
Alarm Contact Block	1NO	VTBA-W1
Shunt Release Coil	110/415V AC	VTBA-SR1
Under Voltage Coil	230V AC	VTBA-UVR1
Overvoltage Coil	230V AC	VTBA-OVR1
Over - Under Voltage Coil	230V AC	VTBA-OUVR1
Mechanical Lock		VTBA-MI

6 VTB - 10 VTB Series Miniature Circuit Breaker Accessories

Description		Ref. No
Auxiliary Contact Block 2 - 63A	1NO + 1NC	VTBA-AU2/11
Auxiliary Contact Block 80 - 125A	1NO + 1NC	VTBA-AU4/11
Alarm Contact Block	1NO	VTBA-W2
Shunt Release Coil	110/415V AC	VTBA-SR2
Under Voltage Coil	230V AC	VTBA-UVR2
Overvoltage Coil	230V AC	VTBA-OVR2
Over - Under Voltage Coil	230V AC	VTBA-OUVR2
Mechanical Lock		VTBA-MI

Deactivate residual current before it causes damage...



- Simple and solid operating mechanism
- Connection terminals suitable for cable, pin and bifurcated busbar entry
- Monthly test button for regular controls
- Superior protection against electric shocks and fire
- Class IP20 connection terminals with high protection against manual contact
- Design compatible with VIKO circuit breakers





Rated current values between **25A - 100A**

Disconnecting value of residual current between **30mA - 300mA**

Electrical diagram

Monthly test button

ON - OFF indicator

Residual Current Circuit Breakers provide superior protection both for your loved ones and your places.



30mA is aimed for protecting human life, wet receptacles and receptacles of all the devices with direct contact risk must be connected to residual current relay of this value.

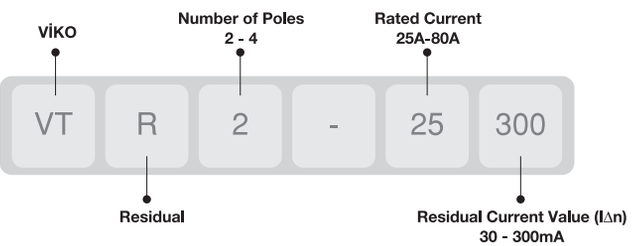


300mA is for fire protection purposes, it must be used at fixed devices and hard-to-reach receptacles. 300mA residual current relays are used in building connection boxes (junction box and cutout box).

Residual Current Circuit Breaker

Technical Information

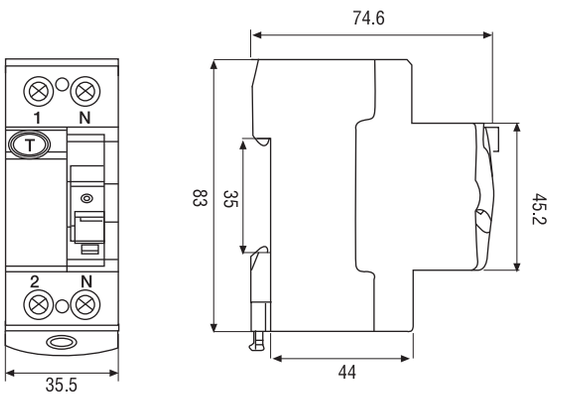
Model	VTR2		VTR4	
Protection	Residual Current			
Standards	IEC/EN 61008-1 TS EN 61008-1			
Quality Certificates	TSE		CE	
Type	AC			
Rated Voltage	230V AC		230V/400V AC	
Rated Frequency	50/60Hz			
Number of Poles	1P + N		3P + N	
Residual Current	30mA	300mA	30mA	300mA
Disconnecting Capacity	6kA			
Rated Current Values				
25A	✓	✓	✓	✓
32A	✓	✓	✓	✓
40A	✓	✓	✓	✓
63A	✓	✓	✓	✓
80A	✓	✓	✓	✓
100A			✓	✓
Protection Class	IP20			
Connection Section	25A-80A 25 mm^2, 100A 35 mm^2			
Mounting Type	DIN EN 50 022 - 35 mm			



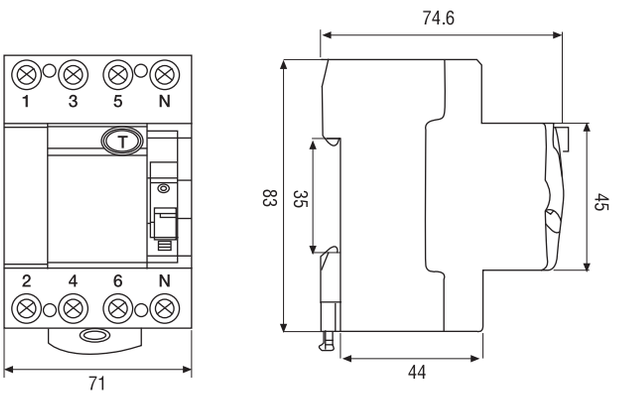
⚠ WARNING!

Residual Current Circuit Breaker are products used compulsorily in order to protect people against direct or indirect contact, and devices against insulation faults and fire hazard. Delivers the function of protecting life at 30mA (Human Protection) and Installation at 300mA (Fire Protection). Residual Current Relays provide superior protection both for your loved ones and your places. Residual Current Relays must be used as complementary to the system, along with grounding system and circuit breakers.

Dimensions (mm)

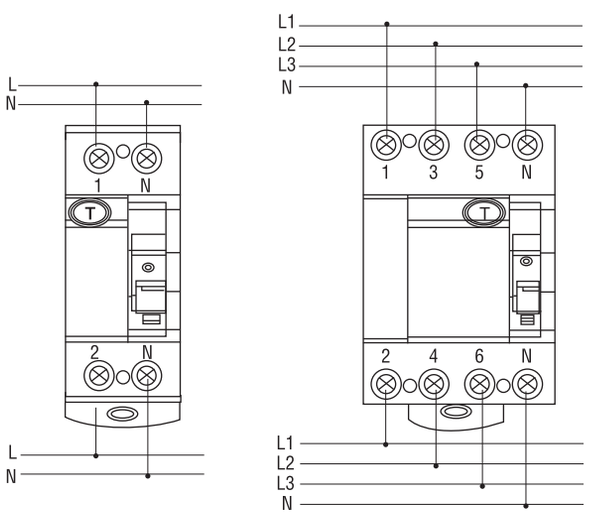


2 Poles



4 Poles

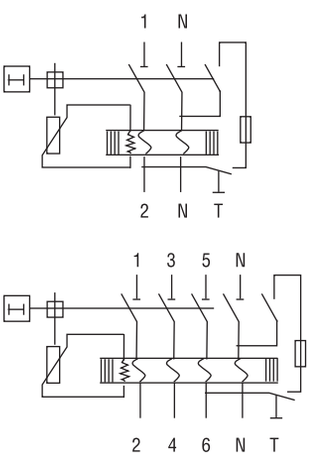
Connection Diagram



2 Poles

4 Poles

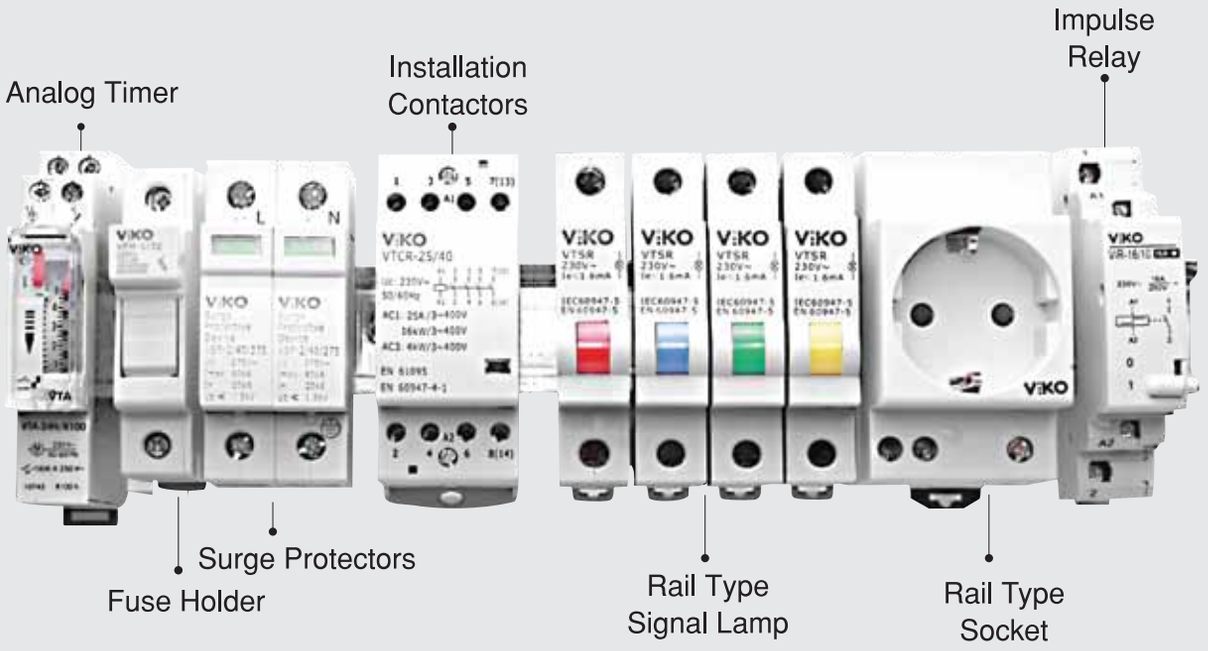
Electrical Diagram



Full protection, full trust at all times and places...







- Simple and solid operating mechanisms
- Mounting suitable for DIN rail
- Compatible with panel applications

Low Voltage Surge Protectors

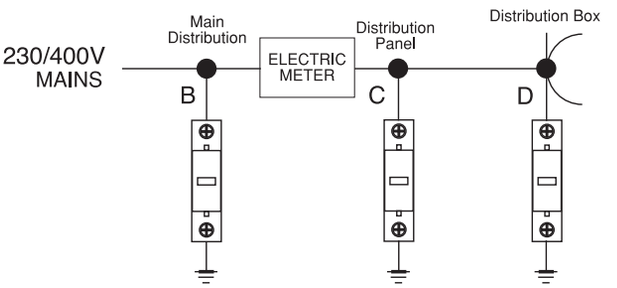


VIKO Low Voltage Surge Protectors enables protection of power lines from potential direct or indirect electromagnetic effects of lightning. They attenuate suddenly formed overcurrents by transmitting them to the ground. Provides full protection and safety in your installation, in order to hold electronic and electrical devices harmless.

- Simple and solid operating mechanism
- Protection of electric / electronic devices against lightning impulses, in industrial and commercial buildings
- Maximum Discharge Current (Imax) : 100kA - 40kA - 5kA
- Effective lightning protection in all classes (B, C, D Types)

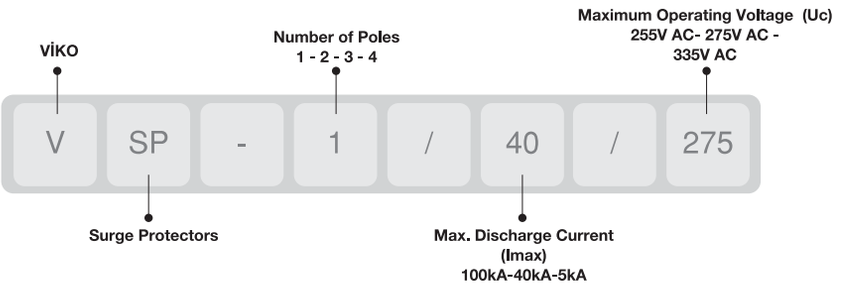
Surge Protector Categories

VIKO Surge Protectors are divided into 3 classes in terms of overvoltage protection.



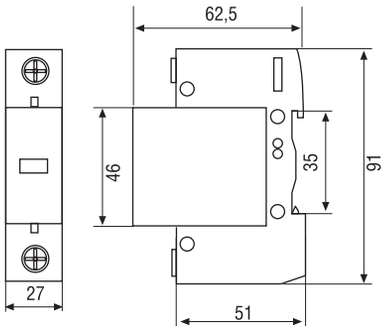
Technical Information

Model	B Type	C Type	D Type
Place of Use	Before Electricity Meter	After Electricity Meter	Distribution Box
Maximum Discharge Current (Imax)	100kA	40kA	5kA
Maximum Operating Voltage (Uc)	255V AC	275V AC	265V / 335V AC
Voltage Protection Level (Up)	< 2kV	< 1.5kV	< 1kV
Pole Options	1P	1P, 2P, 3P, 4P	1P

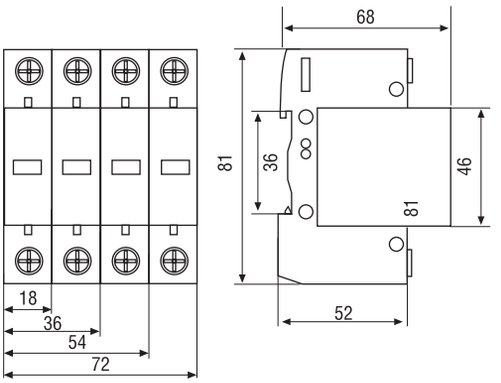


Dimensions (mm)

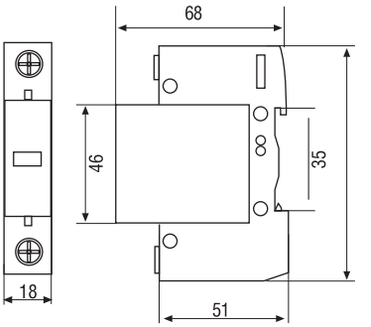
B-Type



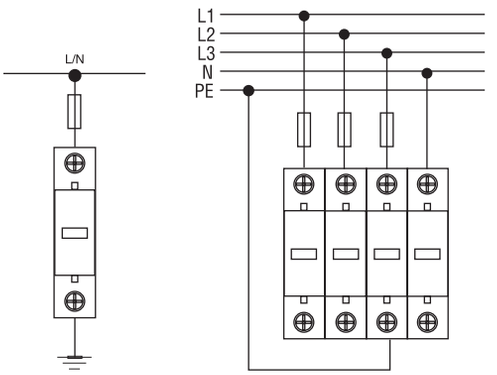
C-Type



D-Type



Connection Diagram



Monophase, Three-phase connections

Analog Timers



VIKO timers are time relays which control lighting systems at intervals of choice, without need for sensors such as photocell. They enable lighting control at determined time intervals and save energy by preventing energy loss to be formed in unnecessary time intervals thanks to lighting control.







Technical Specifications

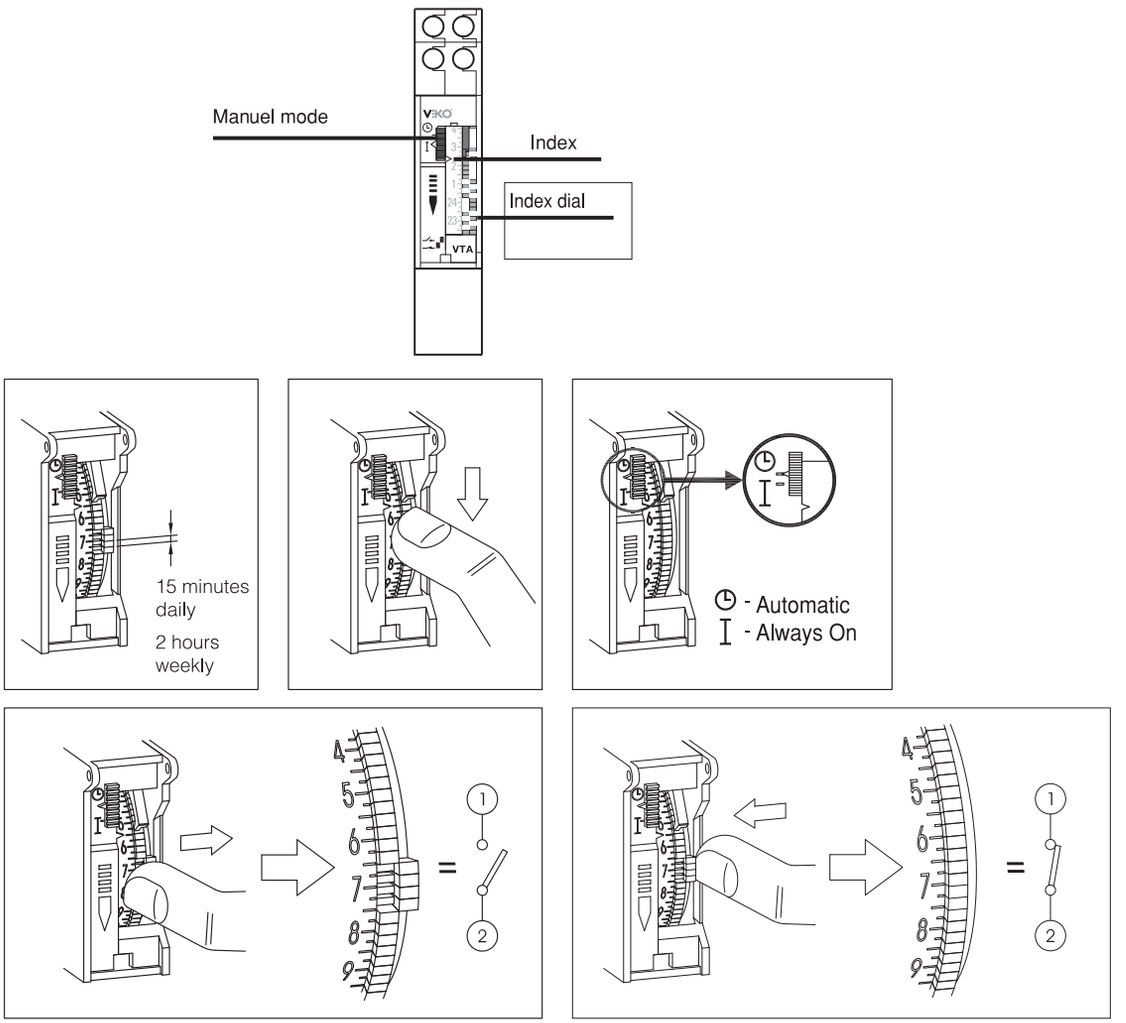
- **Feeding:** 230V AC ± %10 50Hz
- **Load capacity:** 16(4)A/250V
- **Power consumption:** 0.5W
- **Timer accuracy:** ± 1 sec/day 22°C
- **Battery life:** 100 hours
- **Dial type:** Daily: 96 pins
  Weekly: 84 pins
- **Minimum switching time:** Daily: 15 minutes
  Weekly: 2 hours
- **Operating temperature:** -10C - +50 °C
- **Protection against electric shocks:** "Class II"
- **Protection class:** IP20
- Manually controllable, 2-position selector

= Automatic
I = On (Contact no. 1 & 2 are always off)

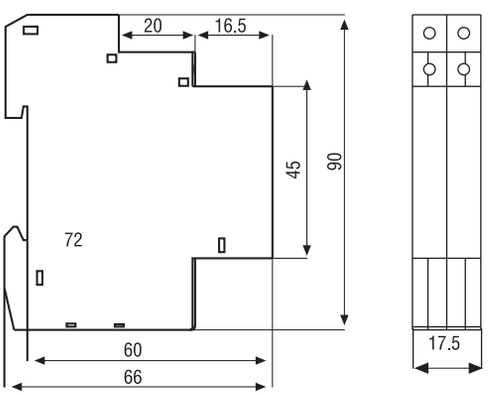
- Mounting to 1 DIN rail

Model	Description
VTA-24H/R100	Daily analog time relay
VTA-W/R100	Weekly analog time relay

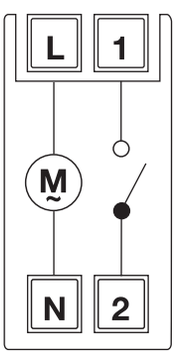
Programming



Dimensions (mm)



Connection Diagram

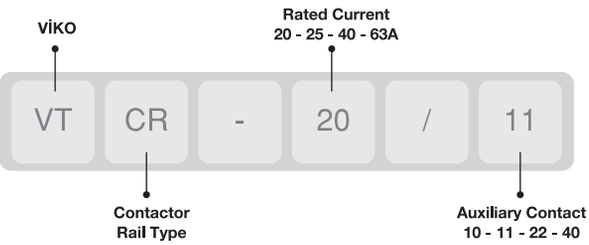


Installation Contactors

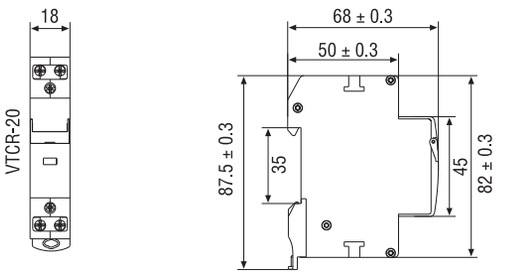


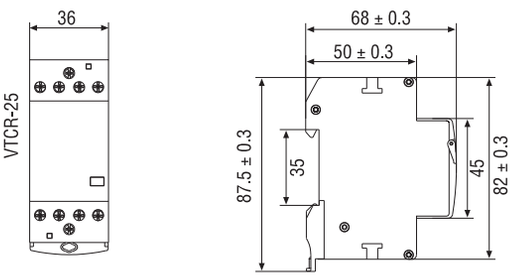
VIKO rail contactors are used in order to check electric circuit, trip and close the circuit or enable flow through automation circuits, in places such as hotel rooms, residences, hospitals.

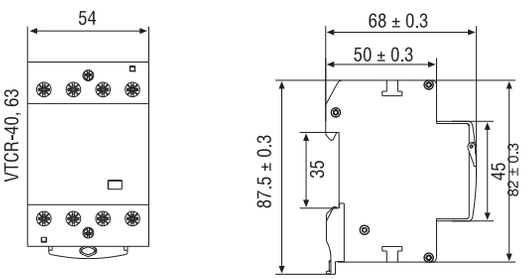
Product Code: VTCR
Rated Current (In): 20A – 25A – 40A – 63A
Rated Voltage (Un): 230V / 400V AC
Number of Poles: 1P – 3P
Auxiliary Contact Block: ‘‘1NO+1NC’’, “2NO”, “2NO+ 2NC”, “4NO”



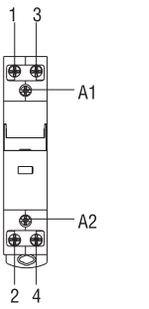
Dimensions (mm)

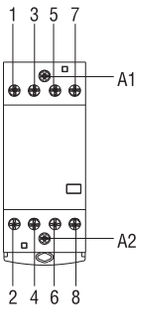


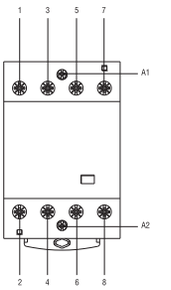




Connection Diagram







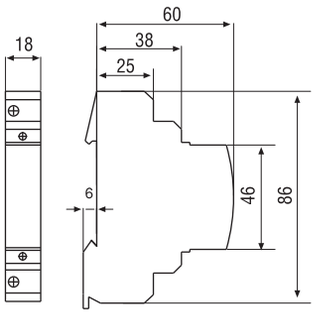
Impulse Relays



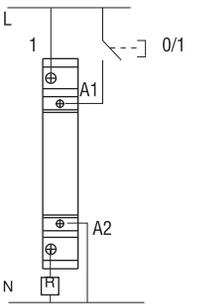
VIKO impulse relay enable remote control of the lighting circuit and multiplying control points.

Rated Current (In): 16A (cosα: 0.6)
Rated Voltage (Un): 250V AC
Auxiliary Contact Block: 1NO
Product Code: VIR-16/10

Dimensions (mm)



Connection Diagram



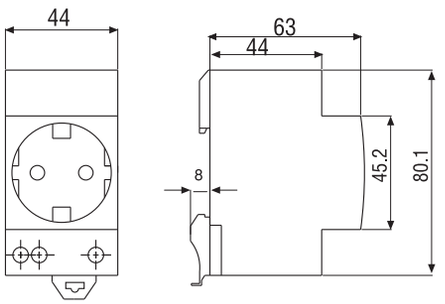
Rail Type Socket



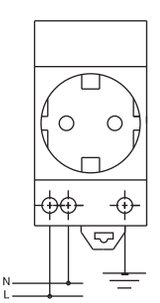
With its case fit to DIN rail, VIKO rail socket can be chosen at panel applications.

German Type
Rated Voltage (Un): 250V AC
Rated Current (In): 16A
Product Code: VSR-G16

Dimensions (mm)



Connection Diagram



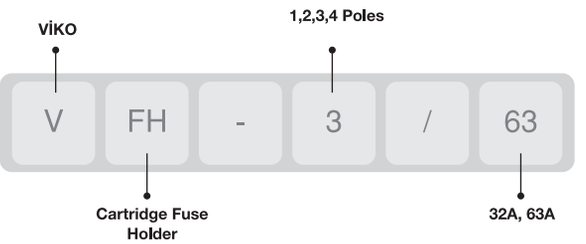
Modular Products

Fuse Holders

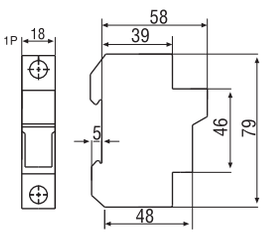


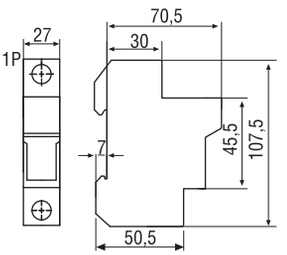
With VIKO fuse holders, you can ensure protection according to your installation requirements.

Compatible with 10.3x38 mm, 14x51 mm circuit breakers
Rated Thermal Current (In): 32A – 63A
Number of Poles: 1P – 1P+N – 2P – 3P – 4P

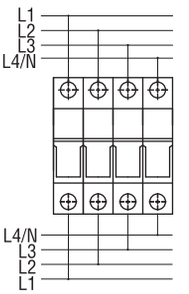


Dimensions (mm)





Connection Diagram

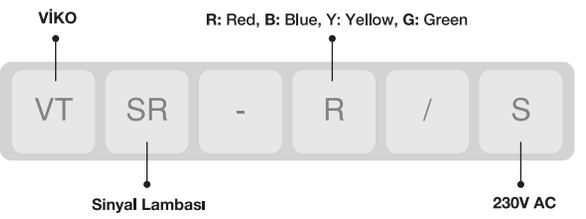


Rail Type Signal Lamp

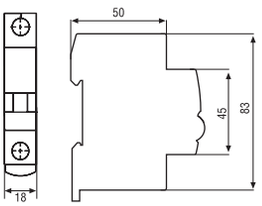


With its structure mountable on DIN rail, VIKO rail type signal lamps indicate voltage presence.

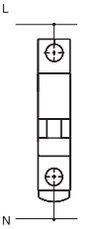
Colors: Red - Green - Blue - Yellow
Rated Voltage (Un): 230V



Dimensions (mm)



Connection Diagram

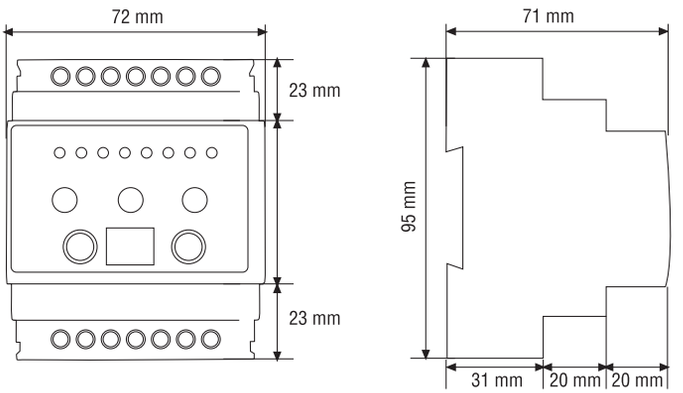


Earth Leakage Relay



Accuracy adjustment at VELR-30 series residual current detection relays (IΔn);

- Accuracy selection at 9 different settings; 30mA, 50mA, 75mA, 100mA, 125mA, 150mA, 200mA, 250mA, 300mA.
- Multiplier adjustment at 3 different positions; 1*, 10*, 100*.
- Time adjustment for fault detection; Sudden (withoutdelay), 50ms, 100ms, 250ms, 350ms, 500ms, 1s, 2s, 5s.

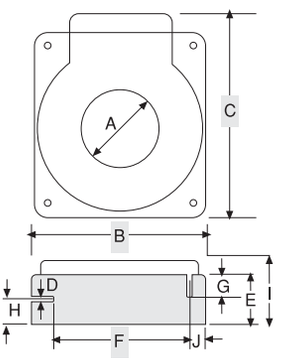


Current Threshold	Supply Voltage	Trip Time Adjustment	Reference Number
30mA - 30A	10V/220V A	0.05 sn - 5 sn	VELR - 30

Toroidal Current Transformer



Calculates differential current between current inflows and outflows.



Sizes (mm)	Model		
	VTTR - 40	VTTR - 55	VTTR - 80
A	40.0	55.0	80.0
B	79.0	126.0	120.5
C	97.0	151.0	138.0
D	3.5	4.0	3.5
E	35.0	37.0	35.0
F	53.5	100.0	94.5
G	17.5	14.0	17.5
H	17.5	19.0	17.5
I	32.0	44.0	37.0
J	10.0	12.5	10.0

High efficiency, maximum flexibility and performance...



- Compact dimensions
- Simple and solid operating mechanism
- Rapidly, easily and safely mountable accessories
- Easy installation
- Short-circuit disconnecting capacity suitable for all options

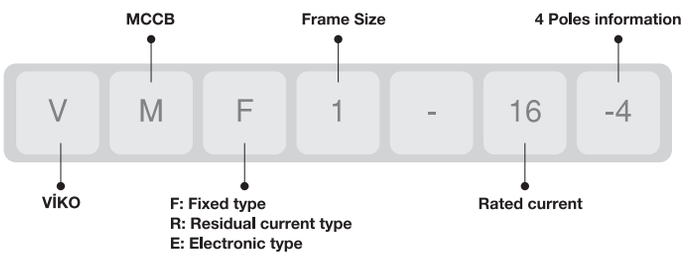






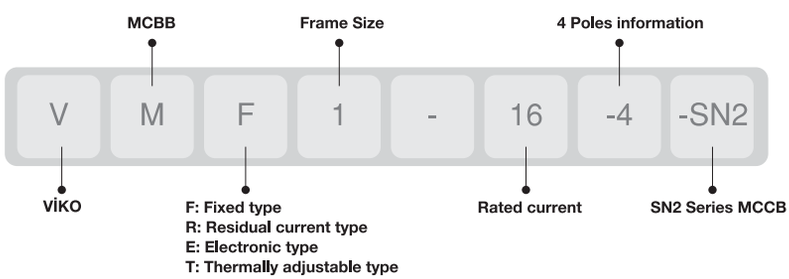
Moulded case circuit breaker

- Fixed Type
- Electronic Type
- Residual Current Type



SN2 Series Moulded case circuit breaker

- Fixed Type
- Thermal Adjustable Type
- Electronic Type
- Residual Current Type



Moulded Case Circuit Breaker

Fixed Type

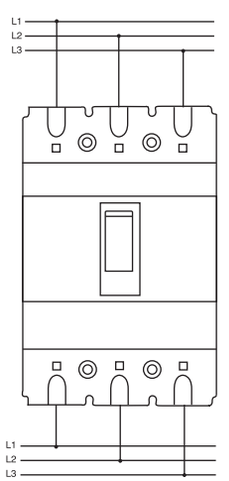


VMF series MCCB provide thermal-magnetic protection at high current disconnecting capacities in the range of 16A to 1600A rated current values. Thermal and magnetic adjustment fields are fixed.

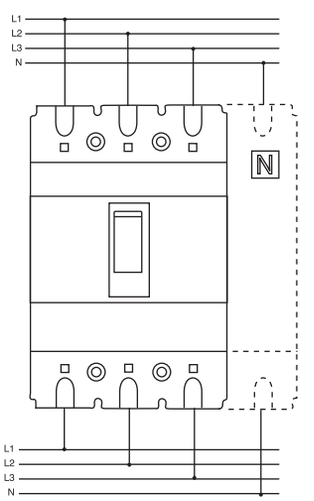
Technical Information

VMF Series							
Model		**VMF1**	**VMF2**	**VMF3**	**VMF4**	**VMF5**	**VMF6**
Rated Current In (A)		16, 20, 25, 32, 40, 50, 63	80, 100, 125	140, 160, 180, 200, 225, 250	315, 350, 400	500, 630, 800	1000, 1250, 1600
Number of Poles		3-4	3-4	3-4	3-4	3-4	3-4
Rated Insulation Voltage Ui (V)		AC 800					
Rated Service Voltage Ue (V)		AC 400					
Rated Voltage of Impact Resistance Uimp (V)		8000					
Short-Circuit Breaking Capacity Icu (kA)	AC690V	-	8	8	10	10	20
	AC400V	20	35	35	50	50	65
Service Short-Circuit Disconnecting Capacity Ics (kA)	AC690V		4	4	5	5	18
	AC400V	12	25	25	35	35	32.5
Dimensions	E	76 - 101	90 - 120	107 - 142	150 - 198	210 - 280	210 - 280
	Y	135	155	165	257	280	330
	D	78.5	80	91.5	106	115	152
Accessories							
Shunt release Coil		VMA-SR0S	VMA-SR1S	VMA-SR2S	VMA-SR3S	VMA-SR5S	VMA-SR8S
Under Voltage Coil		VMA-UVR0S	VMA-UVR1S	VMA-UVR2S	VMA-UVR3S	VMA-UVR5S	VMA-UVR8S
Auxiliary Contact Block (1NO + 1NC)		VMA-AU0/11	VMA-AU1/11	VMA-AU2/11	VMA-AU3/11	VMA-AU5/11	VMA-AU8/22
Auxiliary Contact Block (2NO + 2NC)					VMA-AU3/22	VMA-AU5/22	
Alarm Contact Block		VMA-W0	VMA-W1	VMA-W2	VMA-W3	VMA-W5	VMA-W8
Extended Rotary Setup Handle		VMA-MM0	VMA-MM1	VMA-MM2	VMA-MM3	VMA-MM5	VMA-MM8
Motor Control Mechanism		VMA-EM0S	VMA-EM1S	VMA-EM2S	VMA-EM3S	VMA-EM5S	VMA-EM8S

Connection Diagram



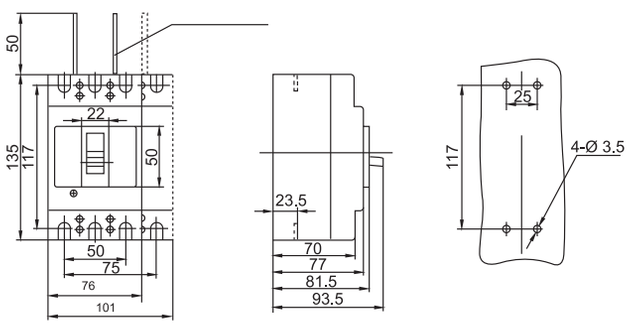
3-Pole Connection Diagram



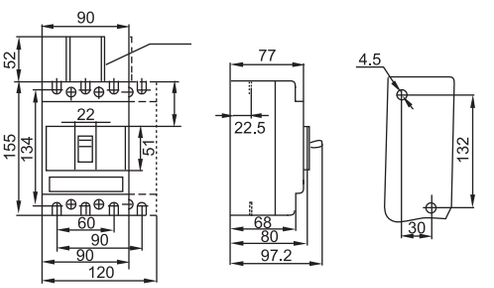
4-Pole Connection Diagram

Dimensions (mm)

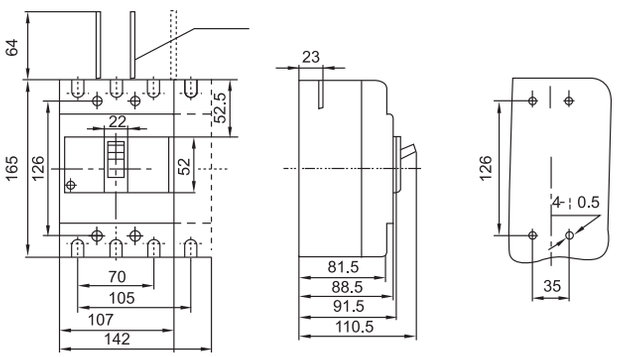
VMF1



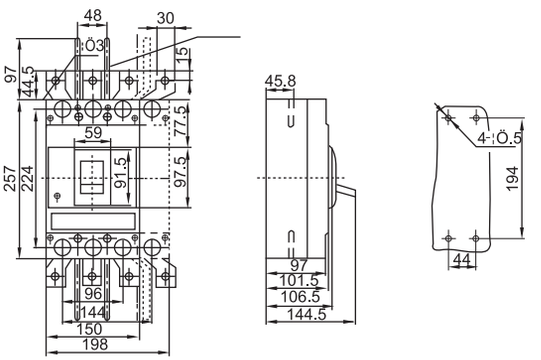
VMF2



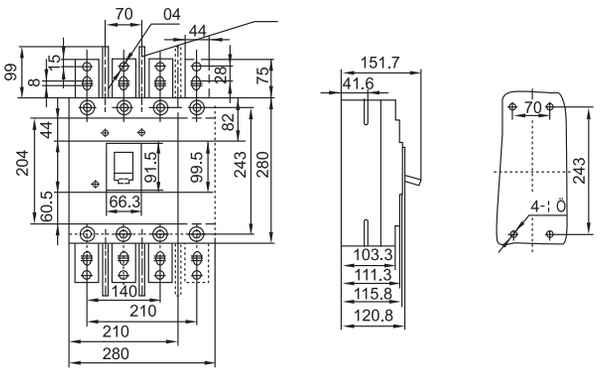
VMF3



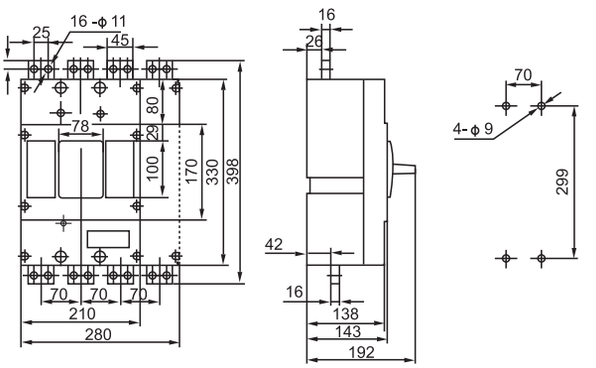
VMF4



VMF5



VMF6



Moulded Case Circuit Breaker

Residual Current Type

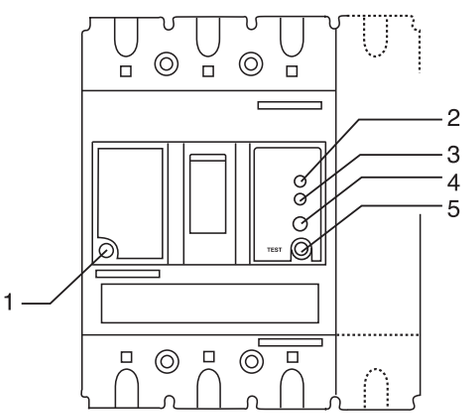


VMR series MCCB provide thermal-magnetic as well as residual current protection at high current disconnecting capacities in the range of 50A to 800A rated current values. With its residual current adjustment feature offered in addition to fixed type switch, the device can detect residual currents of up to 1 A and provides protection thanks to delay time which can be adjusted up to 1 second. Provides full solution in installation thanks to its residual current protection feature in addition to thermal-magnetic protection.

Technical Information

VMR Series					
Model		**VMR1**	**VMR2**	**VMR3**	**VMR4**
Rated Current	In (A)	50, 63, 80, 100	125, 160, 225	250, 315, 400	630, 800
Number of Poles		4	4	4	4
Rated Insulation Voltage	Ui (V)	AC 800	AC 800	AC 800	AC 800
Rated Service Voltage	Ue (V)	AC 400	AC 400	AC 400	AC 400
Rated Voltage of Impact Resistance	Uimp (V)	8000	8000	8000	8000
Short-circuit Breaking Capacity Icu (kA)	AC400V	35	35	50	50
Service Short-Circuit Capacity Ics (kA)	AC400V	25	25	35	35
Residual Current Threshold Value	I∆n (kA)	"Adjustable 50/100/300/500/800/1000"	"Adjustable 50/100/300/500/800/1000"	"Adjustable 50/100/300/500/800/1000"	"Adjustable 50/100/300/500/800/1000"
Delay Time	∆t(s)	0.1/0.3/0.5/0.8/1.0	0.1/0.3/0.5/0.8/1.0	0.1/0.3/0.5/0.8/1.0	0.1/0.3/0.5/0.8/1.0
Residual Current Sensitivity Threshold	I∆no (kA)	1/2	1/2	1/2	1/2
Maximum Short-Circuit Disconnecting Capacity of Residual Current	I∆m (kA)	1/4 Icu	1/4 Icu	1/4 Icu	1/4 Icu
Dimensions	E	90 - 120	107 - 142	150 - 198	150 - 198
	Y	155		257	257
	D	80	91.5	106	106
Accessories					
Shunt Release Coil		VMA-SR1S	VMA-SR2S	VMA-SR3S	VMA-SR7S
Under Voltage Coil		VMA-UVR1S	VMA-UVR2S	VMA-UVR3S	VMA-UVR7S
Auxiliary Contact Block (1 NO +1NC)		VMA-AU1/11	VMA-AU2/11	VMA-AU3/11	VMA-AU7/11
Auxiliary Contact Block (2NO + 2NC)		X	X	VMA-AU3/22	VMA-AU7/22
Alarm Contact Block		VMA-W1	VMA-W2	VMA-W3	VMA-W7
Extended Rotary Setup Handle		VMA-MM1	VMA-MM2	VMA-MM3	VMA-MM7
Motor Control Mechanism		VMA-EM1S	VMA-EM2S	VMA-EM3S	VMA-EM7S
Mechanical Lock		VMA-MI2	VMA-MI3	VMA-MI4	VMA-MI8

Adjustment Panel

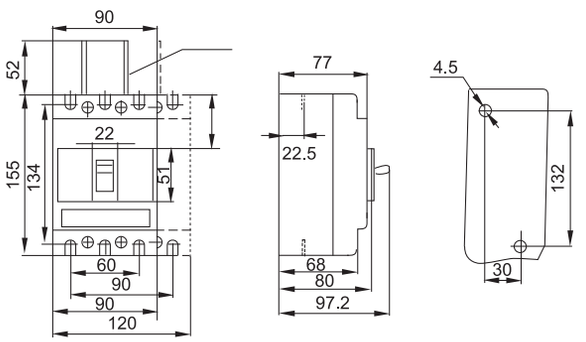


1) Trip test
2) Residual current adjustment
3) Delay time adjustment (Øt: 0.1s-1s)
4) Residual current indicator
5) Monthly test

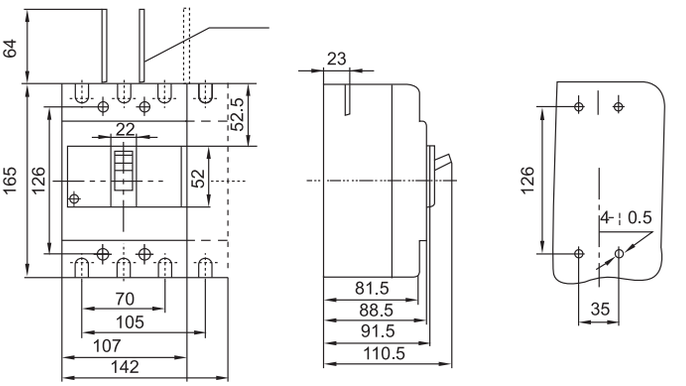
- Toroidal Current Transformer, Detection Relay and Trip Coil are included.

Dimensions (mm)

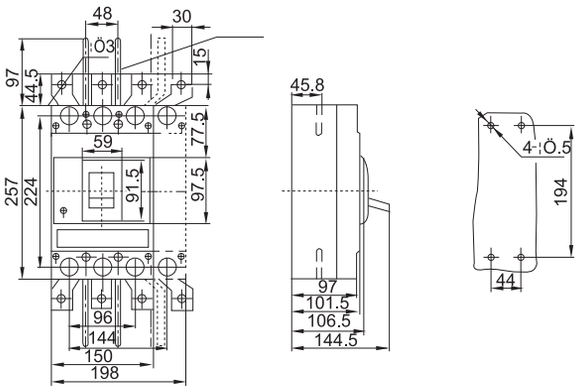
VMR1



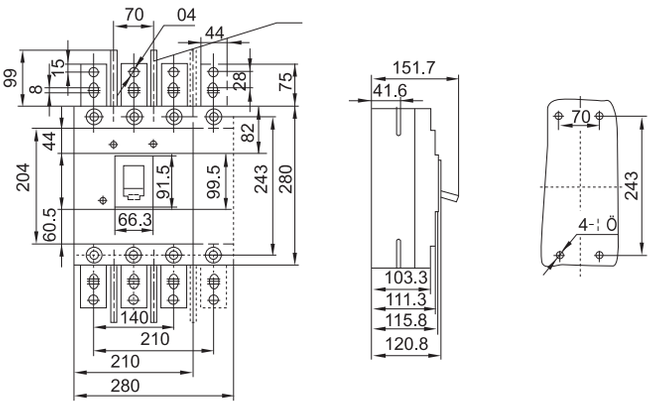
VMR2



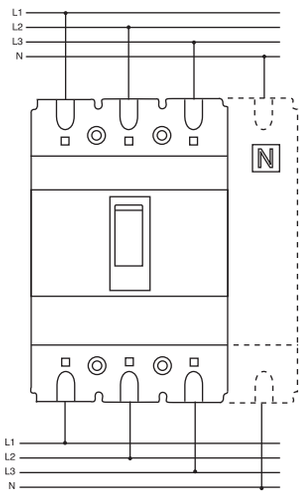
VMR3



VMR4

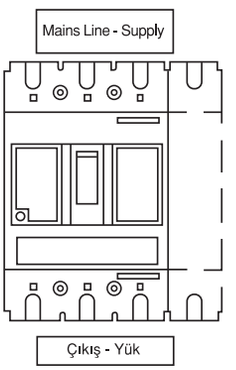


Connection Diagram



4-Poles Connection Diagram

⚠ WARNING!



1. Connect mains line to terminals nr. 1.3.5 (input), load to terminals nr. 2.4.6 (output) and neutral line to N terminals.
2. Connect shunt release coil terminals to the button, do not supply energy.

Moulded Case Circuit Breaker

Electronic Type



With VME series MCCB, superior protection is provided at high current disconnecting capacity values in the range of 100A to 1600A. Adjustments on your device are carried out via switches located under your device.

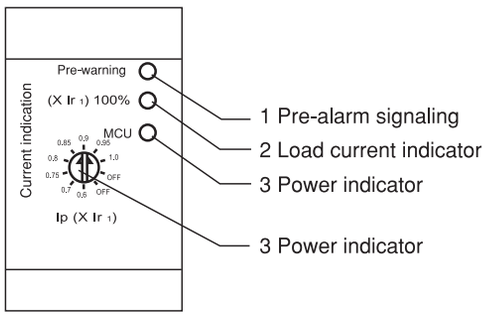
Technical Information

VME Series

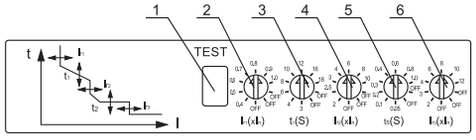
Model		VME1	VME2	VME3	VME4	VME5
Rated Current In (A)		100	250	400	630, 800	1250, 1600
Adjustable Rated Current Ir (A)	x In Adjustable			(0.4/0.5/0.6/0.7/0.8/0.9/1.0)		
Number of Poles		3-4	3-4	3-4	3-4	3-4
Rated Insulation Voltage Ui (V)		AC 800	AC 800	AC 800	AC 800	AC 800
Rated Service Voltage Ue (V)		AC 400	AC 400	AC 400	AC 400	AC 400
Rated Voltage of Impact Resistance Uimp (V)		8000	8000	8000	8000	8000
Short-circuit Breaking Capacity Icu (kA)	AC400V	35	35	50	50	65
Service Short-circuit Disconnecting Capacity Ics (kA)	AC400V	25	25	35	35	32,5
Short-time Current Resistance Icw (kA)/1s		2	3	5	8	15
Dimensions	E	90 - 120	107 - 142	140 - 184	210 - 280	210 - 280
	Y	155	165	257	275	330
	D	80	91.5	103	103	152
Accessories						
Shunt Release Coil		VMA-SR1S	VMA-SR2S	VMA-SR4S	VMA-SR6S	
Under Voltage Coil		VMA-UVR1S	VMA-UVR1S			
Auxiliary Contact Block (1NO + 1NC)		VMA-AU1/11	VMA-AU2/11	VMA-AU4/11	VMA-AU6/11	
Auxiliary Contact Block (2NO + 2NC)				VMA-AU4/22	VMA-AU6/22	
Alarm Contact Block		VMA-W1	VMA-W2	VMA-W4	VMA-W6	
Extended Rotary Setup Handle		VMA-MM1	VMA-MM2	VMA-MM4	VMA-MM6	
Motor Control Mechanism		VMA-EM1S	VMA-EM2S	VMA-EM4S	VMA-EM6S	
Mechanical Lock		VMA-MI2	VMA-MI3	VMA-MI5	VMA-MI7	

Adjusment Panel

VME1-100, VME2-225-Adjustment Field

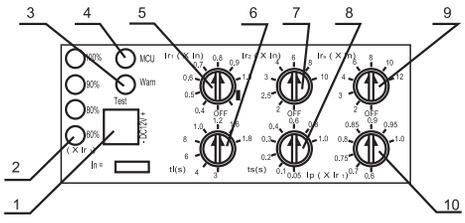


VME1-100, VME2-225-Adjustment Field



1) Electrical trip test button
2) Rated Current Adjustment 'Ir1'
3) Delay time 't1'
4) Short-circuit delay current 'Ir2'
5) Short-circuit delay time 'ts'
6) Sudden short-circuit current 'Ir3'

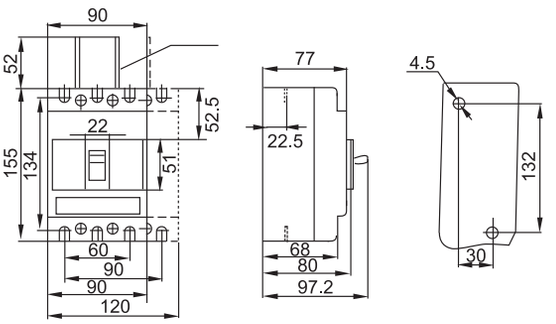
VME3-400, VME4-630, VME4-800, VME5-1250, VME5-1600-Adjustment Field



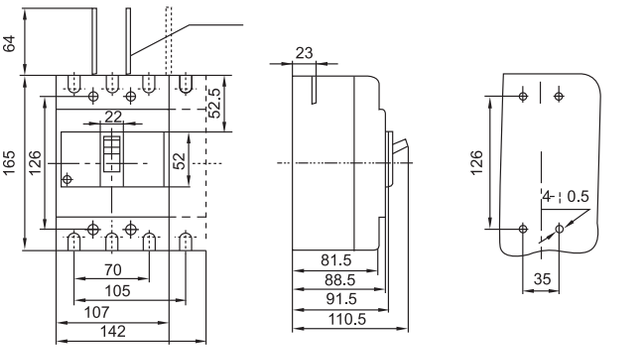
1) Electrical trip test button
2) Load current indicator
3) Overload warning indicator
4) Power indicator
5) Rated current adjustment
6) Delay time 't1'
7) Short-circuit delay current 'Ir2'
8) Short-circuit delay time 'ts'
9) Sudden short-circuit current 'Ir3'
10) Pre-alarm signaling

Dimensions (mm)

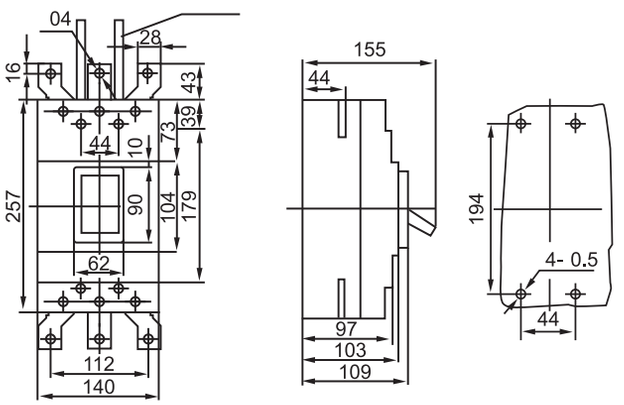
VME1



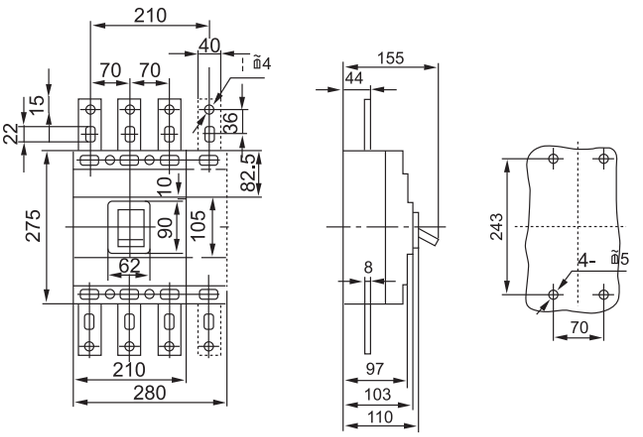
VME2



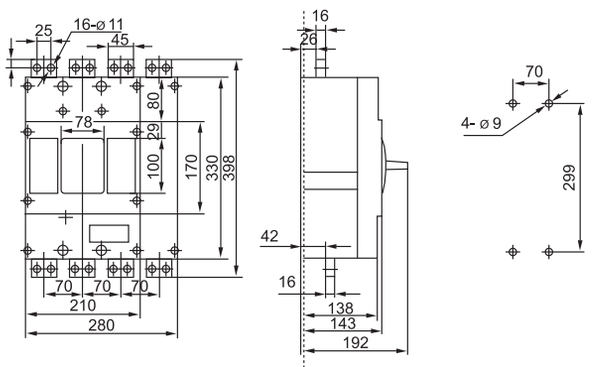
VME3



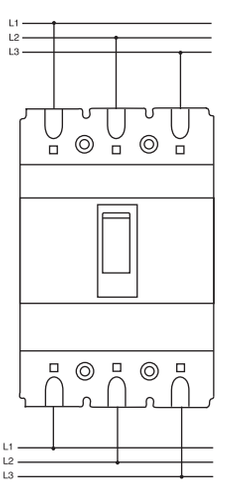
VME4



VME5

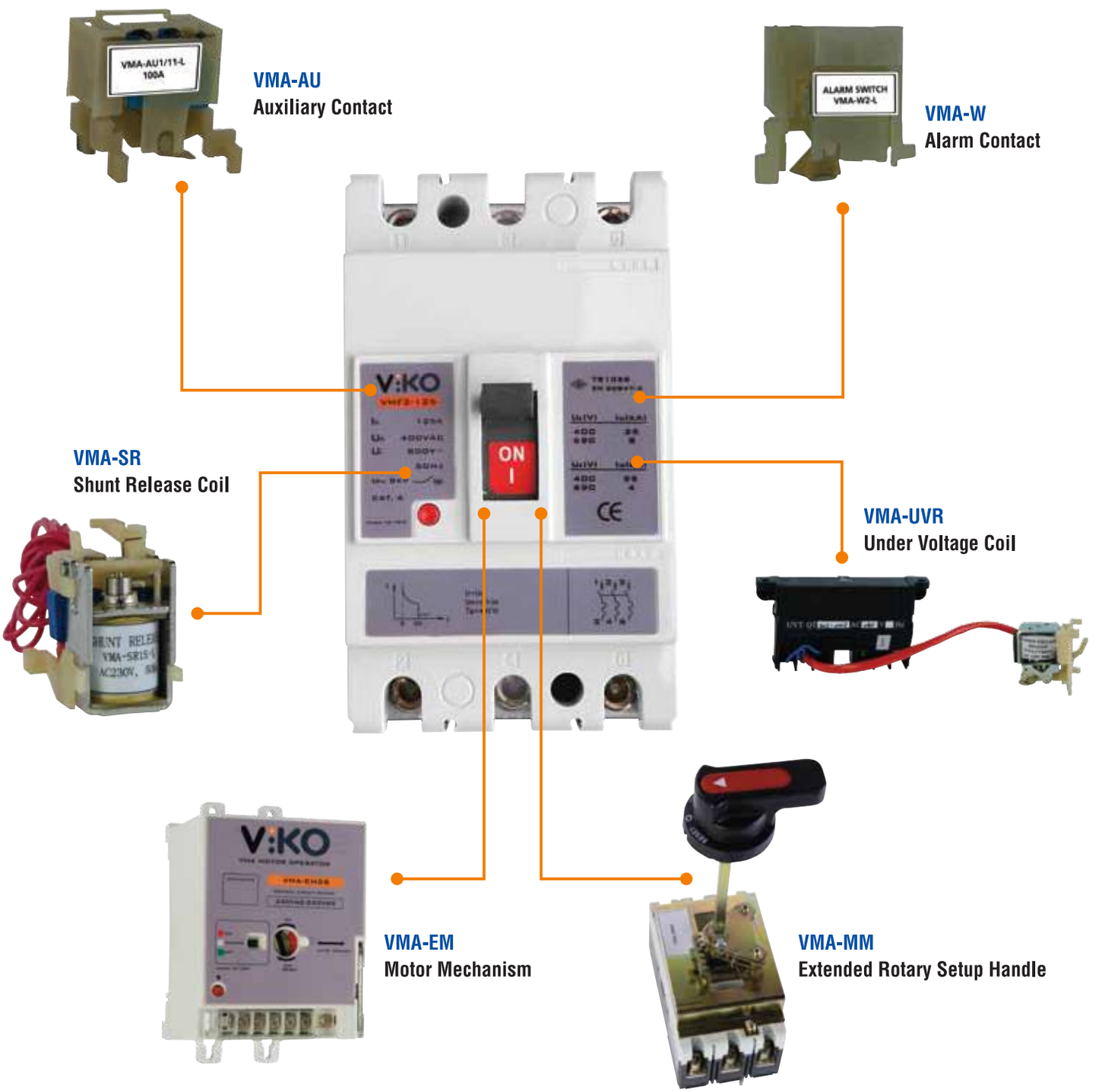


Connection Diagram



4-Poles Connection Diagram

MCCB Accessories





SHUNT RELEASE COIL

Provides the compact switch with trip control. Product Code: VMA-SR.



UNDER VOLTAGE COIL

Switches on the compact switch while voltage reduction level is between 35% and 70%. Product Code: VMA-UVR



AUXILIARY CONTACT

Used in order to feed electrical signalization according to breaker's on-off status. Product Code: VMA-AU



ALARM CONTACT

Gives the warning to indicate breaker's on-off status. Product Code: VMA-W



EXTENDED ROTARY SETUP HANDLE

In panel usages, it is used for switching on-off circuit breakers without opening the cover. Product Code: VMA-MM



MOTOR MECHANISM

Used for remote tripping-cutoff via compact switch connections. Product Code: VMA-EM



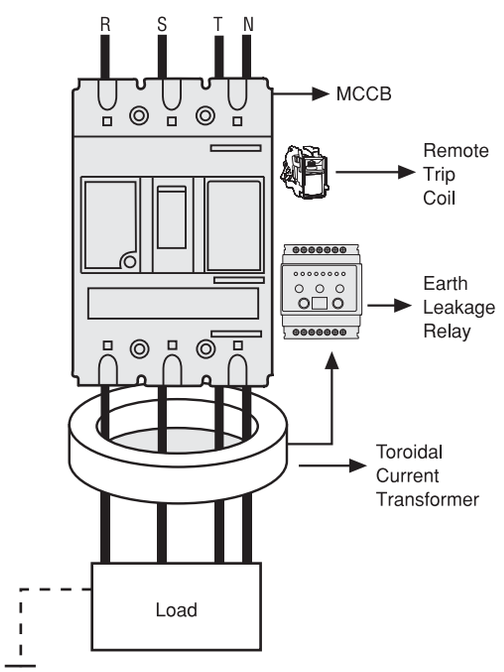
MECHANICAL LOCK

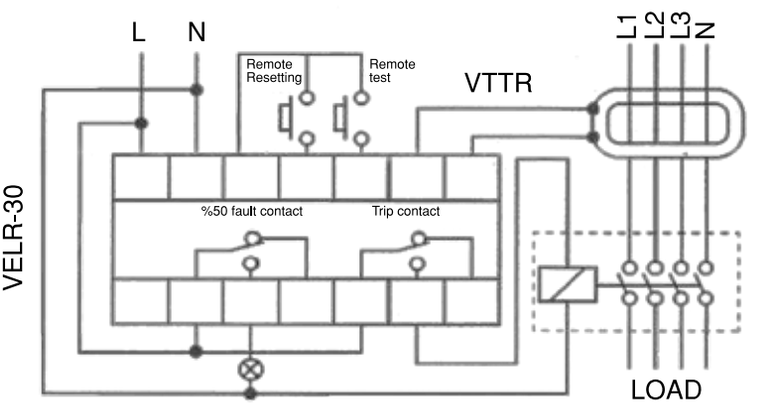
Prevents two circuit breakers from switching off simultaneously. Product Code: VMA-MI

Residual Current Combinations

VİKO provides the option to establish a residual current set with our MCCB up to 400A. Toroidal Current Transformer, shunt trip coil and earth leakage relay must be a part of the structure to be established. Therefore, this installation will establish a compact switch with thermally adjusted residual current protection up to 400 amperes. In order to create a Residual Current combination; MCCB, VELR Series Earth Leakage Relay, VTTR series Toroidal Current Transformer and shunt trip coil compatible with compact switch must be ordered all at once.

Connection Diagram





230V Connection Diagram

SN2 Series MCCBs







Thermally Adjustable MCCB, VMT
In : 16A – 400A
Icu : 35kA, 50kA
Ir : 0.7 – 1 In



Fixed Type MCCB, VMF
In : 16A – 800A
Icu : 25kA, 35kA, 50kA



Electronic Type MCCB, VME
In : 800A – 1600A
Icu : 70kA



Residual Current MCCB, VMR
In : 50A – 250A
Icu : 25kA, 35kA
IΔn : 100mA, 300mA, 500mA

Providing maximum flexibility, high efficiency and performance, VIKO Moulded Case Circuit Breaker group combines electrical installations with effective protection, offers a powerful and wide range of products to their users and practitioners.

- In conformity with TS EN 60947-2 standard
- 4 different types including Fixed, Thermal Adjustable, Electronic, Residual Current
- Rated current values between 16A - 1600A
- Disconnecting capacity values of 25kA, 35kA, 50kA, 70kA

Moulded Case Circuit Breaker

Fixed Type SN2 Series



VMF-SN2 series MCCBs provide thermal-magnetic protection at high current disconnecting capacities, within the range of 16A to 800A rated current values. Thermal and magnetic adjustment fields are fixed.

Technical Information

VMF Series

Model			VMF1-SN2	VMF2-SN2	VMF3-SN2	VMF4-SN2	VMF5-SN2
Rated Current In (A)			16 - 20 - 25 - 32 - 40 - 50 - 63 - 80 - 100 - 125A	16 - 20 - 25 - 32 - 40 - 50 - 63 - 80 - 100 -125 - 160A	125 - 160 - 200 - 250A	250 - 315 - 400 - 500 - 630A	400 - 500 - 630 - 800A
Rated Insulation Voltage Ui			400V	690V	690V	690V	690V
Rated Service Voltage Ue			400V	400/415V	400/415V	400/415V	400/415V
Pole Option			3P / 4P	3P / 4P	3P /4P	3P /4P	3P /4P
Short-circuit Disconnecting Capacity Icu (kA)			25	35	35	50	50
Service Short-circuit Disconnecting Capacity Ics (kA)			12,5	26,25	26,25	37,5	37,5
Rated Voltage of Impact Resistance Uimp (V)			10000	8000	8000	8000	8000
Dielectric Feature (V)			2500	3000	3000	3000	3000
Service Performance			10000	8000	8000	5000	5000
			1000	1000	1000	1000	1000
			7000	7000	7000	4000	4000
Accessories			✓	✓	✓	✓	✓
			✓	✓	✓	✓	✓
			✓	✓	✓	✓	✓
			✓	✓	✓	✓	✓
			✓	✓	✓	✓	✓
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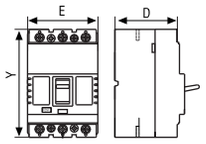
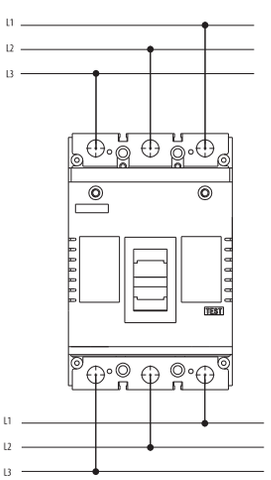
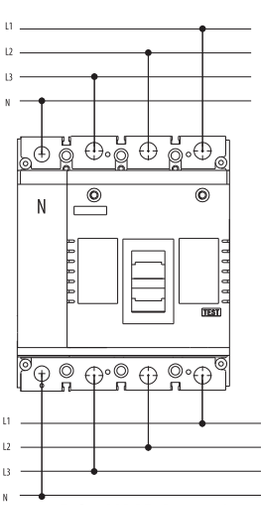
			✓	✓	✓	✓	✓
					TSE 60947-2		
	E (mm)	3P	76	90	105	140	210
		4P	101	120	140	184	280
	Y (mm)	3P	120	120	170	254	268
		4P	120	120	170	254	268
	D (mm)	3P	70	70	103,5	103,5	103,5
		4P	70	70	103,5	103,5	103,5

Connection Diagram



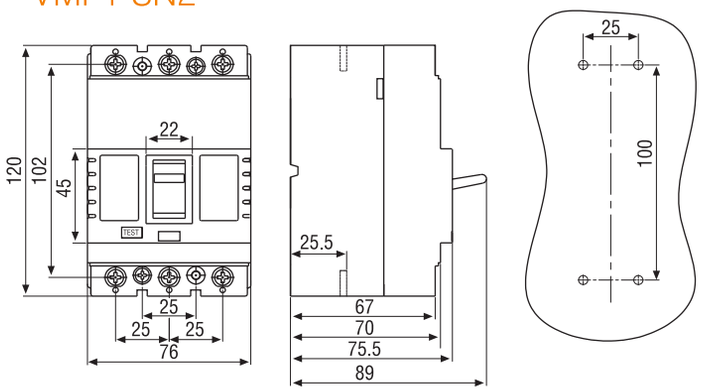
3-Poles MCCB Connection Diagram



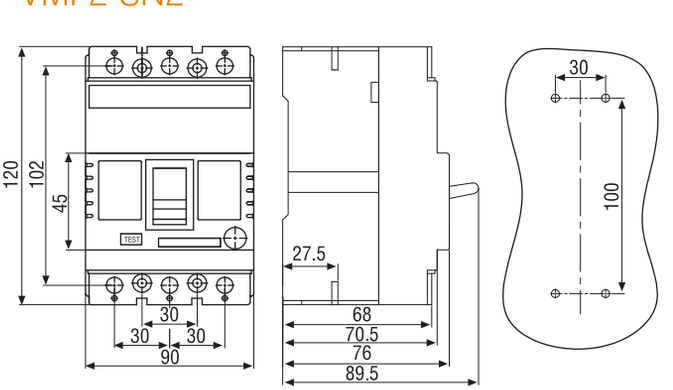
4-Poles MCCB Connection Diagram

Dimensions (mm)

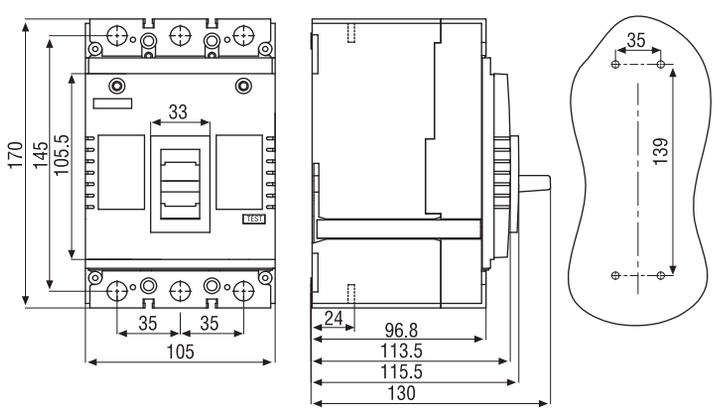
VMF1-SN2



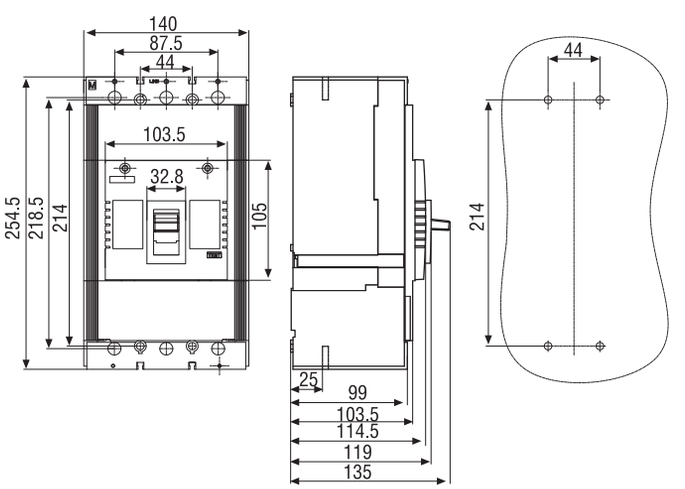
VMF2-SN2



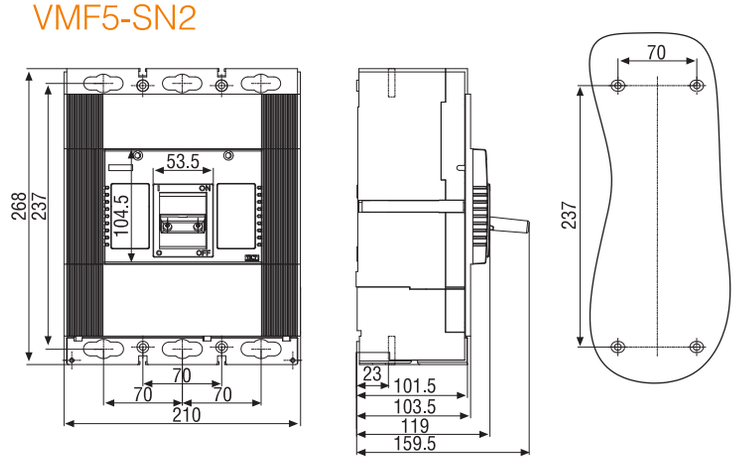
VMF3-SN2



VMF4-SN2



VMF5-SN2



Moulded Case Circuit Breaker

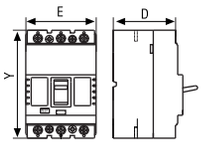
Thermal Adjustable Type SN2 Series



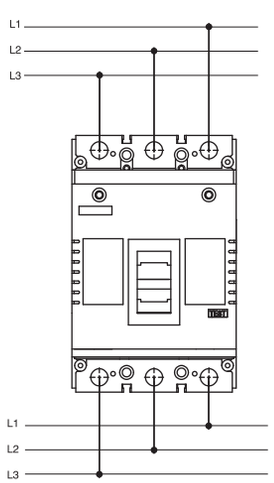
VMT-SN2 series MCCBs provide thermal-magnetic protection at high current disconnecting capacities in the range of 16A to 400A rated current values. With its thermal adjustment field feature, the thermal adjustment part can make adjustments at rated current values multiplied by 0,7 to 1 times.

Technical Information

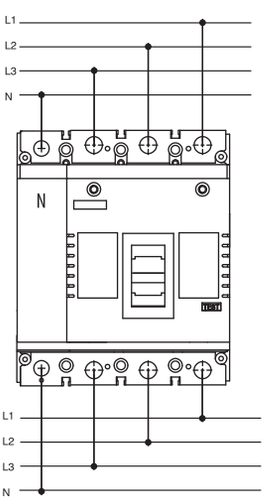
VMT Series

Model			VMT2-SN2	VMT3-SN2	VMT4-SN2
Rated Current In (A)			16 - 20 - 25 - 32 - 40 - 50 - 63 - 80 - 100 -125 - 160A	125 - 160 - 200 - 250A	250 - 315 - 400
Rated Insulation Voltage Ui			690V	690V	690V
Rated Service Voltage Ue			400/415V	400/415V	400/415V
Pole Option			3P / 4P	3P /4P	3P /4P
Short-circuit Disconnecting Capacity Icu (kA)			35	35	50
Service Short-circuit Disconnecting Capacity Ics (kA)			26,25	26,25	37,5
Rated Voltage of Impact Resistance Uimp (V)			8000	8000	8000
Dielectric Feature (V)			3000	3000	3000
Service Performance	Total Installation		8000	8000	5000
	Electrical Endurance		1000	1000	1000
	Mechanical Endurance		7000	7000	4000
Accessories	Under Voltage Coil		✓	✓	✓
	Shunt Release Coil		✓	✓	✓
	Auxiliary Contact		✓	✓	✓
	Alarm Contact		✓	✓	✓
	Extended Rotary Setup Handle		✓	✓	✓
	Motor Mechanism		✓	✓	✓
	Mechanical Lock		✓	✓	✓
Quality Certificates					
		E (mm)	3P	90	105	140
			4P	120	140	184
		Y (mm)	3P	120	170	254
			4P	120	170	254
		D (mm)	3P	70	103,5	103,5
			4P	70	103,5	103,5

Connection Diagram



3-Poles MCCB Connection Diagram



4-Poles MCCB Connection Diagram

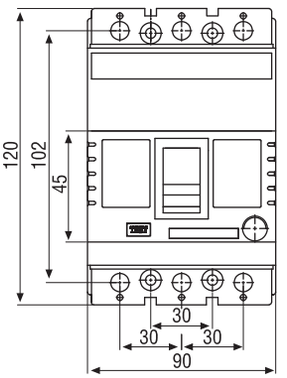
Adjustment Panel

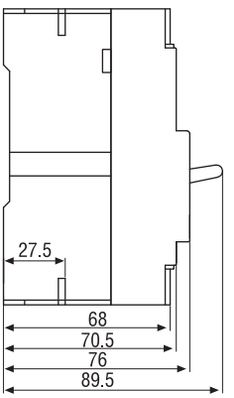
Thermal gauge field between 0,7 In -1 In

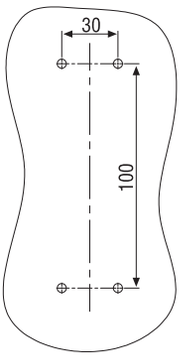


Dimensions (mm)

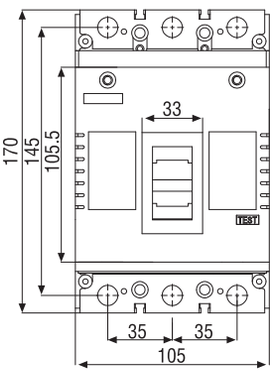
VMT2-SN2

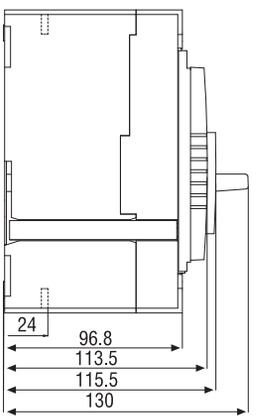


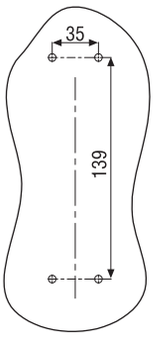




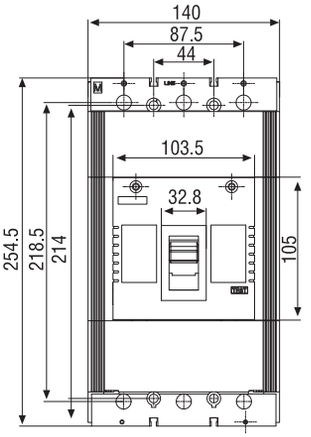
VMT3-SN2

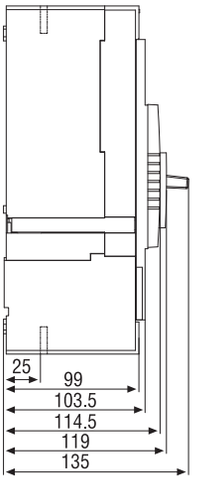


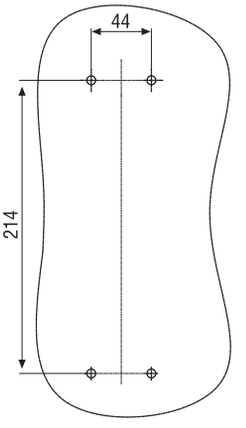




VMT4-SN2







Moulded Case Circuit Breaker

Residual Current Type SN2 Series

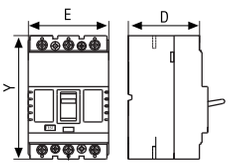


VMR series MCCBs provide thermal-magnetic as well as residual current protection at high current disconnecting capacities in the range of 50A to 250A rated current values. With its residual current adjustment feature offered in addition to fixed type switch, offers accuracy adjustment for residual currents at the residual current disconnecting values of 100, 300, 500mA. Provides full solution in installation thanks to its residual current protection feature in addition to thermal-magnetic protection. Adjustments on your device are carried out via switches located under your device.

Technical Information

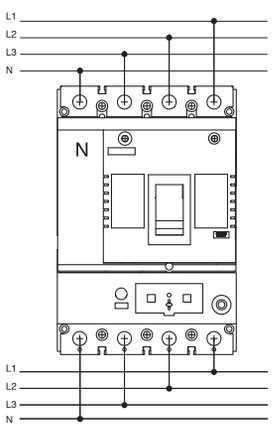
VMR Series

Model		VMR2-SN2	VMR3-SN2
Rated Current In (A)		50 - 63 - 80 - 100 -125 - 160A	125 - 160 - 200 - 250A
Rated Insulation Voltage Ui		690V	690V
Rated Service Voltage Ue		400/415V	400/415V
Pole Option		4P	4P
Short-circuit Disconnecting Capacity Icu (kA)		25	35
Service Short-circuit Disconnecting Capacity Ics (kA)		18,75	26,25
Rated Voltage of Impact Resistance Uimp (V)		8000	8000
Dielectric Feature (V)		3000	3000
Service Performance	Total Installation	8000	8000
	Electrical Endurance	1000	1000
	Mechanical Endurance	7000	7000
Residual Current Threshold Value IΔn (mA)		100-300-500	100-300-500
Residual Current Sensitivity Threshold IΔno (mA)		50-500-800	50-500-800
Maximum Short-circuit Disconnecting Capacity at Residual Current (IΔm) kA/cosØ		9	16,25
Accessories	Under Voltage Coil	✓	✓
	Shunt Release Coil	✓	✓
	Auxiliary Contact	✓	✓
	Alarm Contact	✓	✓
	Extended Rotary Setup Handle	✓	✓
	Motor Mechanism	✓	✓
	Mechanical Lock	X	X
Quality Certificates		TSE 60947-2	



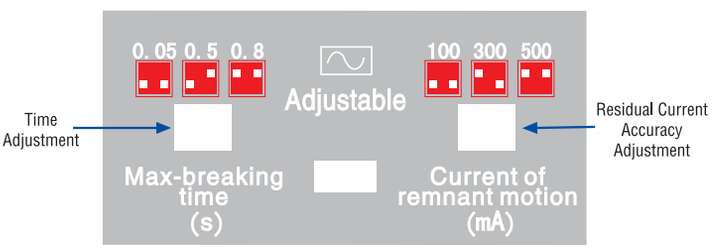
E (mm)	3P		
	4P	120	140
Y (mm)	3P		
	4P	120	210
D (mm)	3P		
	4P	70	103,5

Connection Diagram



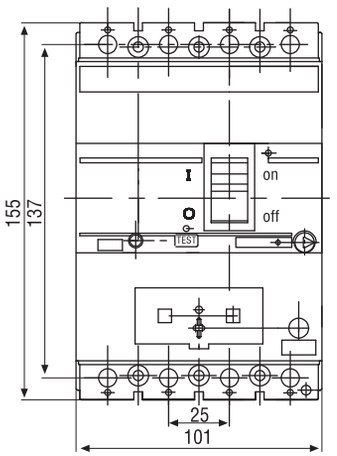
4-Poles Compact MCCB Diagram

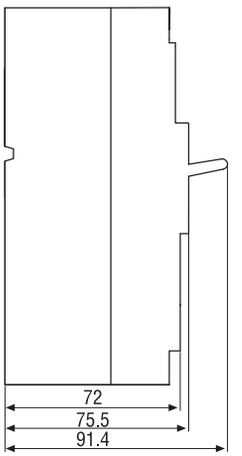
Adjustment Panel

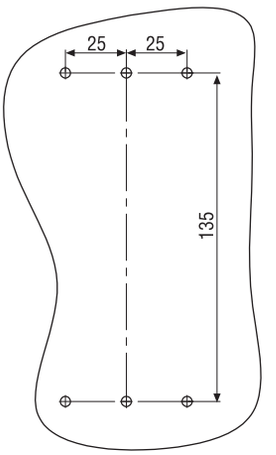


Dimensions (mm)

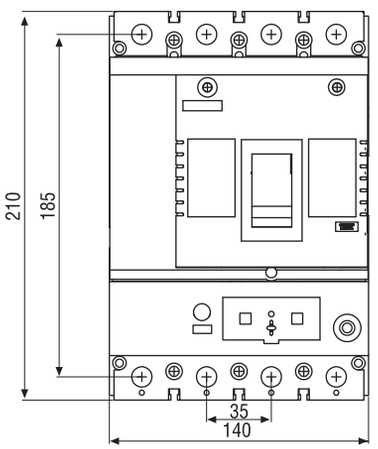
VMR2-SN2

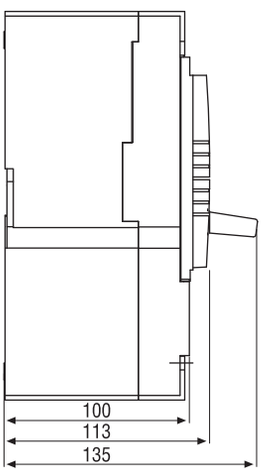


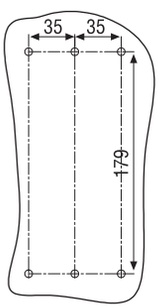




VMR3-SN2







Moulded Case Circuit Breaker

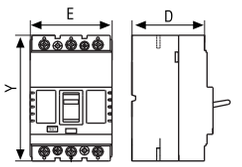
Electronic Type SN2 Series



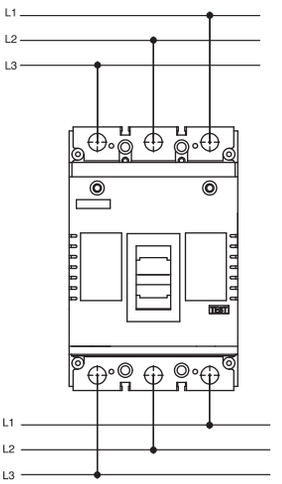
With VME-SN2 series MCCBs, superior protection is offered at high current disconnecting capacity values in the range of 800A to 1600A. Adjustments on your device are carried out via switches located under your device.

Technical Information

VME Series			
Model			**VME6-SN2**
Rated Current In (A)			800 -1000 - 1250 - 1600
Rated Insulation Voltage Ui			690V
Rated Service Voltage Ue			400V
Pole Option			3P / 4P
Short-circuit Disconnecting Capacity Icu (kA)			70
Service Short-circuit Disconnecting Capacity Ics (kA)			52,5
Rated Voltage of Impact Resistance Uimp (V)			8000
Dielectric Feature (V)			3000
Service Performance	Total Installation		3000
	Electrical Endurance		500
	Mechanical Endurance		2500
Accessories	Under Voltage Coil		✓
	Shunt Release Coil		✓
	Auxiliary Contact		✓
	Alarm Contact		✓
	Extended Rotary Setup Handle		✓
	Motor Mechanism		✓
	Mechanical Lock		X
Quality Certificates			TSE 60947-2
E (mm)		3P	210
		4P	280
Y (mm)		3P	410
		4P	410
D (mm)		3P	138,5
		4P	138,5

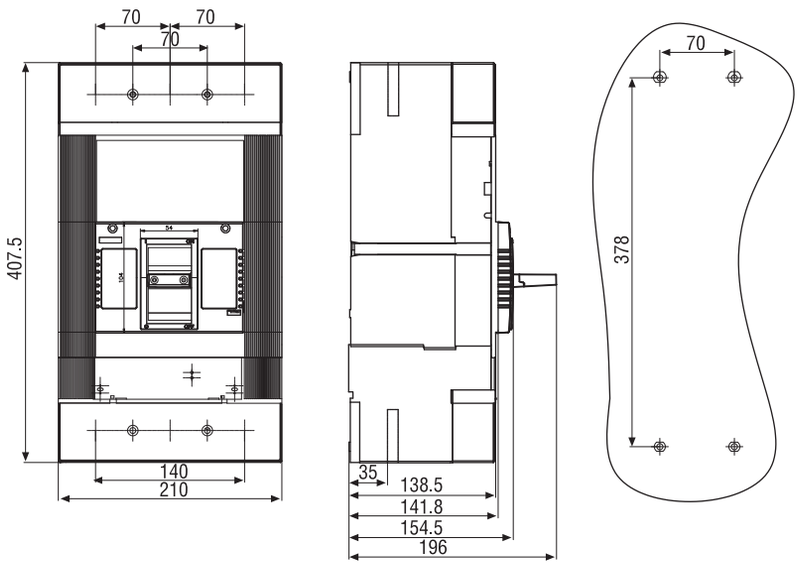


Connection Diagram

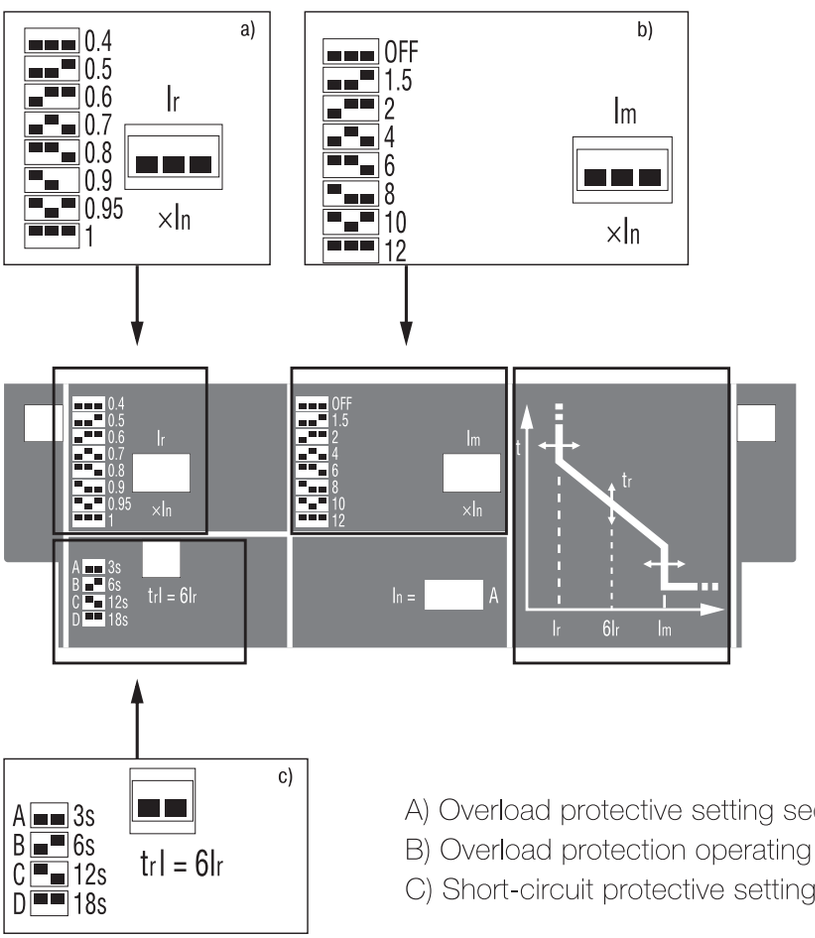


3 Poles MCCB Connection Diagram

Dimensions (mm)

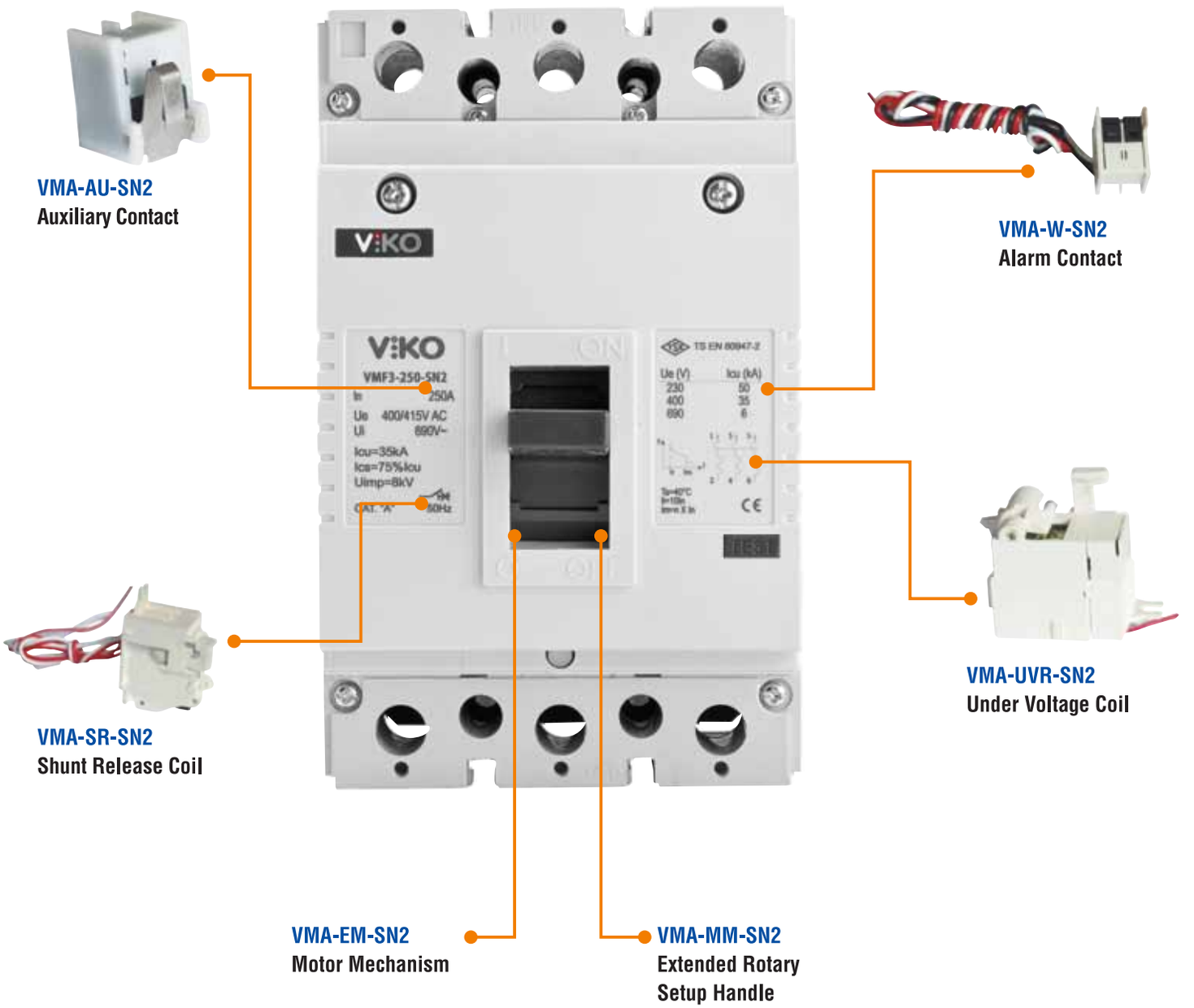


Adjustment Panel



A) Overload protective setting section
B) Overload protection operating curve setting section
C) Short-circuit protective setting section

MCCB Accessories - SN2 Series





Shunt Release Coil

Compact to Use It With	Ref. No
VMF1 - VMF2 - VMT2 - VMR2 / -SN2	VMA-SR1/2-SN2
VMF3 - VMF4 - VMT3 - VMT4 - VMR3 / -SN2	VMA-SR3/4-SN2
VMF5 - VME6 / -SN2	VMA-SR5/6-SN2



Under Voltage Coil

Compact to Use It With	Ref. No
VMF1 - VMF2 - VMT2 - VMR2 / -SN2	VMA-URV1/2-SN2
VMF3 - VMF4 - VMT3 - VMT4 - VMR3 / -SN2	VMA-URV3/4-SN2
VMF5 - VME6 / -SN2	VMA-URV5/6-SN2



Auxiliary Contact Block

Compact to Use It With	Ref. No
VMF1 - VMF2 - VMT2 - VMR2 / -SN2	VMA-AU1/2-SN2
VMF3 - VMF4 - VMT3 - VMT4 - VMR3 / -SN2	VMA-AU3/4-SN2
VMF5 - VME6 / -SN2	VMA-AU5/6-SN2



Alarm Contact Block

Compact to Use It With	Ref. No
VMF1 - VMF2 - VMT2 - VMR2 / -SN2	VMA-W1/2-SN2
VMF3 - VMF4 - VMT3 - VMT4 - VMR3 / -SN2	VMA-W3/4-SN2
VMF5 - VME6 / -SN2	VMA-W5/6-SN2



Extended Rotary Setup Handle

Compact to Use It With	Ref. No
VMF1 / -SN2	VMA-MM1-SN2
VMF2 - VMT2 - VMR2 / -SN2	VMA-MM2-SN2
VMF3 - VMT3 - VMR3 / -SN2	VMA-MM3-SN2
VMF4 - VMT4 / -SN2	VMA-MM4-SN2
VMF5 - VME6 / -SN2	VMA-MM5-SN2

Motor Mechanism

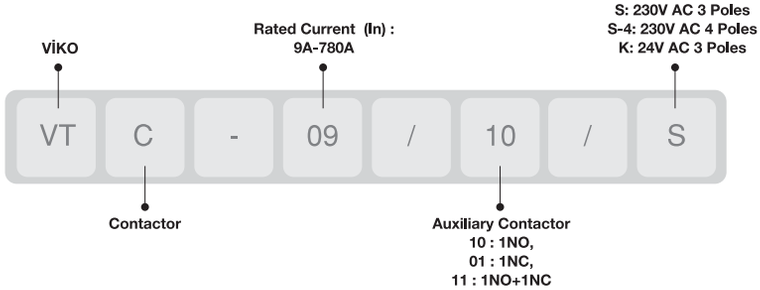
Compact to Use It With	Ref. No
VMF1-VMF2-VMT2-VMR2 / -SN2	VMA-EM1/2-SN2
VMF3-VMT3- VMR3-VMF4-VMT4 / -SN2	VMA-EM3/4-SN2
VMF5 / -SN2	VMA-EM5-SN2
VME6 / -SN2	VMA-EM6-SN2

power is under control...



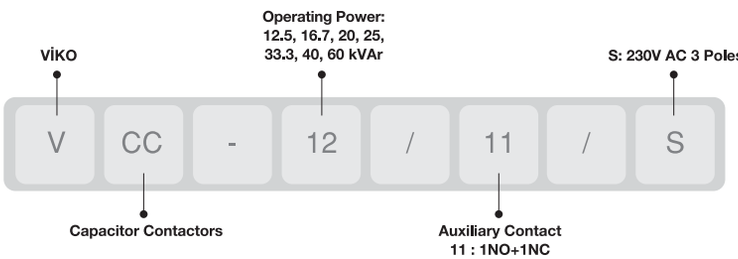
- From 9A to 780A
- In conformity with the EN 60947-4-1 standard
- Easy and safe installation
- Variety of options for accessories
- AC/DC coil voltages from 24V to 400V
- Maximum safety in installations when used together with VIKO branded compact switches and thermal relays

AC - DC Power Contactors

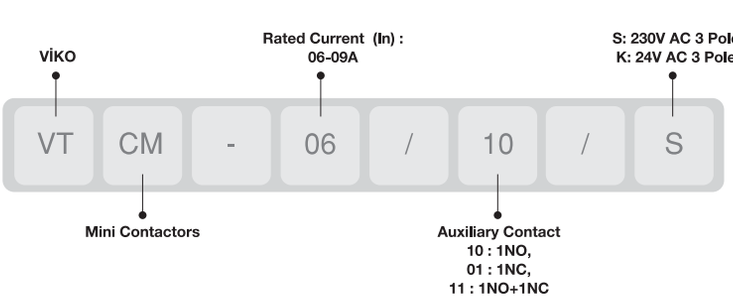




Capacitor Contactors



Mini Contactors



AC Contactors - (VTC/S), (VTC/S-4), (VTC/K)





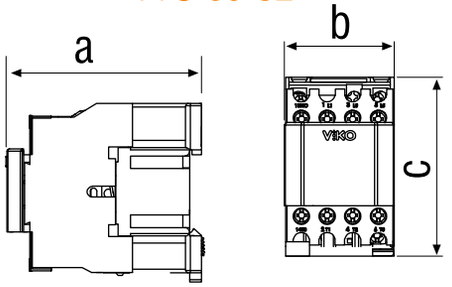

Type		VTC-09	VTC-12	VTC-18	VTC-25	VTC-32	VTC-40	VTC-50	VTC-65	VTC-80	VTC-95
Nominal Power AC-3,400V-kW	380/400 V-A	4	5,5	7,5	11	15	18,5	22	30	37	45
	660/690V-A	9	12	18	25	32	40	50	65	80	95
Rated Service Current (Ie) AC3		7	9	12	18	21	34	39	42	49	49
Contact		1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC
Rated Insulation Voltage (Ui)-V		690									
Thermal Current (Ith)-A		25	25	32	40	50	60	80	80	125	125
Compatible Thermal Relays		VRM-32A10 ~ VRM32A23 , VRE32A11 ~ VRE32A26								VRM-95A31 ~ VRM95A37, VRE95A31 ~ VRE95A37	
Coil	Control Voltage (Us)-V	AC (50/60Hz) : 24, 48, 110, 220, 380V									
	Tripping Voltage - V	%85 Us - %110 Us (AC)									
	Tensile Voltage - V	%20 Us - %75 Us (AC)									
Number of Poles		3 & 4 Poles options									

VIKO branded contactors have a wide product variety ranging from 9 Amperes to 780 Amperes. Thanks to their easy and safe mounting, VIKO branded switches and thermal relays provide maximum safety in installations when they are used together. AC/DC coil voltage values from 24V up to 400V are available. Conform to EN 60947-4-1 standard and wide range of accessory options.

Contactors;

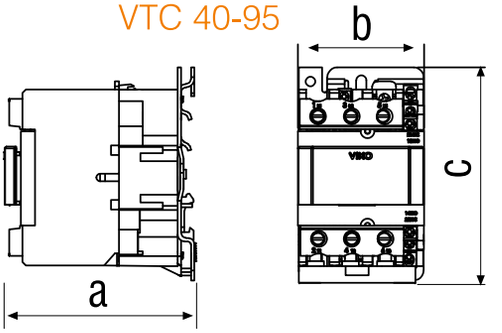
- **Power Contactors (3-pole);** AC/DC coil voltages between 9A and 780A, from 24V up to 400V, AC3 Operating Class
- **Power Contactors (3-pole);** AC/DC coil voltages between 9A and 95A, from 24V up to 400V, AC3 Operating Class
- **Mini Contactors;** At 6A and 9A current values, 24V AC/DC and 230V AC coil
- **Capacitor Contactors;** Rated Condenser Power (kVAr) at values 12.5 - 16.7 - 20 - 25 - 33.3 - 40 - 60

VTC 09-32



MODEL	A	B	C
VTC-09/12	80	44	75
VTC-18	85	44	75
VTC-25	95	58	84
VTC-32/38	100	58	84

VTC 40-95



MODEL	A	B	C
VTC-40/50/65 (3P)	112	77	128max
VTC-40/50/65 (4P)	112	85	128max
VTC-80/95 (3P)	124	85	128max
VTC-80/95 (4P)	124	96	128max



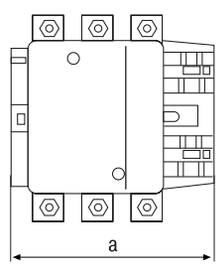



VTC-115	VTC-150	VTC-180	VTC-225	VTC-265	VTC-330	VTC-400	VTC-500	VTC-630	VTC-780
55	75	90	110	132	160	200	250	335	400
115	150	185	225	265	330	400	500	630	780
86	107	118	135	170	225	305	355	460	550
1NO	1NO	1NO	1NO	-	-	1NO	1NO	1NO	-
1000									
200	250	275	315	350	400	500	700	1000	1500

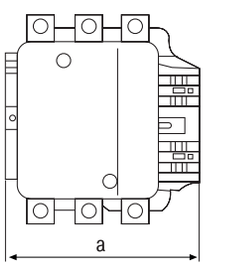
AC (50/60Hz): 220V

3 Poles

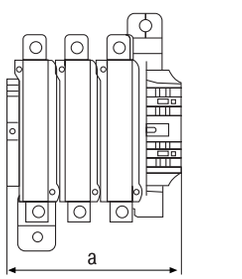
VTC 115-265



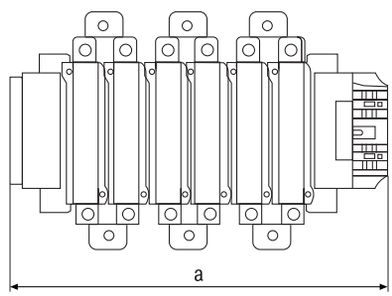
VTC 330-400



VTC 500-630



VTC 780



MODEL		A(mm)	B(mm)	C(mm)
VTC-115 ~ 265	115 (3P)	163,5	162	171
	115 (4P)	200,5	162	171
	150 (3P)	163,5	170	171
	150 (4P)	200,5	170	171
	185 (3P)	168,5	174	181
	185 (4P)	208,5	174	181
	225 (3P)	168,5	197	181
	225 (4P)	208,5	197	181
	265 (3P)	201,5	203	213
	265 (4P)	244,5	203	213

MODEL		A(mm)	B(mm)	C(mm)
VTC-330 ~ 400	330 (3P)	213	206	219
	330 (4P)	261	206	219
	400 (3P)	213	205	219
	400 (4P)	261	205	219
VTC-500 ~ 630	500 (3P)	233	238	232
	500 (4P)	288	238	232
	630 (3P)	309	304	255
	630 (4P)	389	304	255
VTC-780	780 (3P)	704	435	255

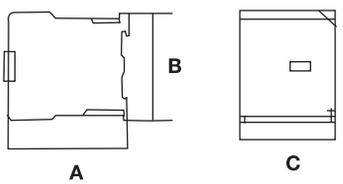
Contactors

Mini Contactors - (VTCM)




Type				VTCM-06	VTCM-09
Nominal Power	220/230V AC		kW		
	380/400V AC		kW	2,2	2,2
Rated Service Current (Ie) AC-3	380/400V AC		A	2,2	4,000
Rated Insulation Voltage (Ui)			V	6,000	9,000
Thermal Current (Ith)			A	690	690
Contact				16	25
Coil		Control Voltage (Us)	V	1NO/1NC	1NO/1NC
		Tripping Voltage	V	"AC (50/60Hz) :24V,230V: DC:24V	
		Tensile Voltage	V	%85Us-%110Us-%75Us (AC) %10Us-%75Us (DC)"	

Dimensions (mm)



Model	a	b	c
VTCM-06	58	58	45,3
VTCM-09	58	58	45,3

Capacitor Contactors - (VCC)





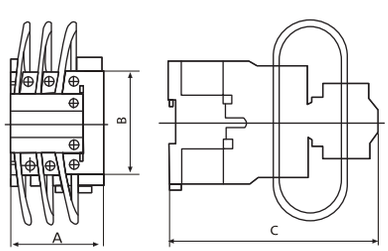




Type				VCC-12	VCC-16	VCC-20	VCC-25	VCC-33	VCC-40	VCC-60
Rated Condenser Power	200/240V		kVAr	6,7	8,5	10,0	15,0	20,0	25,0	40,0
	400/440V			12,5	16,7	20,0	25,0	33,3	40,0	60,0
Thermal Current (Ith)			A	32	40	50	60	80	80	125
Rated Service Current (Ie) AC-6b	400V		A	18	24	29	36	48	58	87
Contact				1NO+1NC	1NO+1NC	1NO+1NC	1NO+2NC	1NO+2NC	1NO+2NC	1NO+2NC
Rated Insulation Voltage (Ui)			V	690						
Coil		Control Voltage (Us)	V	AC(50/60Hz) :24V,48V,110V, 220V,380V				AC(50/60Hz) :24V,48V,110V, 220V,380V		
		Tripping Voltage	V	%85Us-%110Us				%85Us-%110Us		
		Tensile Voltage	V	%30Us-%55Us				%30Us-%60Us		

Note: Voltage fluctuations cause an increase in condensers' rated current flow (İn) by 1.3 times.
Depending on the production tolerance -5%~+10%, condenser power can reach up to 1.1 times of the nominal power 1.3*1.1*In=1.43In.
Please be careful while ordering.

Dimensions (mm)



Model	a	b	c
VCC-12	46	66,3	121,5
VCC-20	56	77	135,5
VCC-25	75	75	150
VCC-40	75	95	150
VCC-60	84,5	101,8	157

DC Contactors - (VTC/KD)



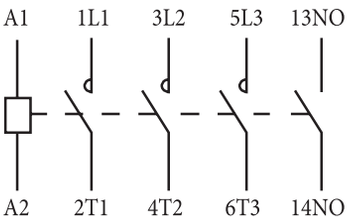



Type	VTC-09	VTC-12	VTC-18	VTC-25	VTC-32	VTC-40	VTC-50	VTC-65	VTC-80	VTC-95
Nominal Power AC-3,400V-kW	4	5,5	7,5	11	15	18,5	22	30	37	45
Rated Service Current (Ie) AC3 380/400 V-A	9	12	18	25	32	40	50	65	80	95
Contact	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC	1NO/1NC
Rated Insulation Voltage (Ui)-V					690					
Thermal Current (Ith)-A	25	25	32	40	50	60	80	80	125	125
Coil Control Voltage (Us)-V					DC 24V					

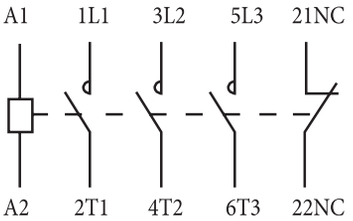
Connection Diagram and Auxiliary Contact Information

With Auxiliary Contact (3 Poles)

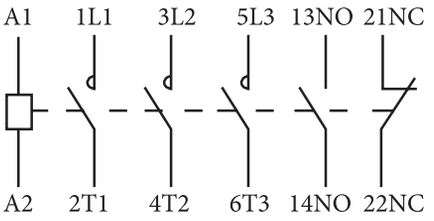
VTC-0910 ~ 3810



VTC 0901 ~ 3801

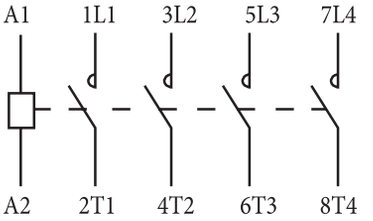


VTC-4011 ~ 9511



Without Auxiliary Contact (4 Poles)

VTC4-9, 12, 25
VTC4-40 ~ 95



Accessories



Compatible Contactors		VTC - 09 ~ 95	VTC - 115 ~ 330	VTC- 400 ~ 780
Auxiliary Contact Blocks	On top	VTCA-AU/11 (1NO + 1NC)		
		VTCA-AU/40 (4NO)		
		VTCA-AU/04 (4NC)		
		VTCA-AU/31 (3NO + 1NC)		
		VTCA-AU/13 (1NO + 3NC)		
		VTCA-AU/22 (2NO + 2NC)		
		VTCA-AU/20 (2NO)		
		VTCA-AU/02 (2NC)		
	To the side	VTCA-AU/11N (1NO + 1NC)	-	-
		VTCA-AU/20N (2NO)	-	-
Coil	Control Voltage (Us)	AC (50/60Hz) : 24, 48, 110, 220, 380 V	-	-


220-230V 50Hz
220-240V 60Hz
V:KO
Contactor
VTC-32/01/S
IEC 60947-4-1
TS EN 60947-4-1
1 L1
3 L2
5 L3
21 NC
22 NC
2 T1
4 T2
6 T3
V:KO

Superior protection...



VRM Series Mechanical Thermal Relay

- Adjustment range from 0.4A to 93A
- Manual reset option
- Test button, stop button for emergencies
- Easy mounting to and aesthetical harmony with contactors



VRE Series Electronic Thermal Relay

- Maximum accuracy adjustment range between 0.1A and 95A
- Fast and sensitive protection against overcurrent, phase loss and phase imbalance
- Low power consumption 0.15VA
- Manual or automatic reset option
- Test button and LED warning system for overload
- Easy mounting to and aesthetical harmony with contactors
- Advantage of mounting to DIN rail

Thermal Relays

Mechanical Thermal Relay



Type	Electromagnetic		
Model	VRM-32A10~ VRM-32A23	VRM-32A24~ VRM-32A25	VRM-95A31~ VRM-95A37
Current Adjustment Range	0.4 ~ 25A	23 ~ 40A	23 ~ 93A
Standard	IEC EN 60947-4-1		
Pole	3P		
Frequency	50 / 60Hz		
Rated Service Voltage (Ue)	380V AC		
Rated Insulation Voltage (Ui)	750V		
Rated Voltage of Impact Resistance (Uimp)	6kV		
Category of Use	AC3		
Operating Temperature	-5 °C ~ +40 °C		
Auxiliary Contact	1NO-1NC		
Auxiliary Contact Rated Thermal Current (Ith)	5A		
Protection Class	IP20		

Compatible Contactors

Current Adjustment Range	Circuit Breaker Compatible with Selected Type of Relay		Contactor Used	Thermal Relay Reference
	aM	gG		
A	A	A		
0.25 ~ 0.4	1	2	VTC-09~32	VRM-32A10
0.4 ~ 0.63	1	2	VTC-09~32	VRM-32A11
0.63 ~ 1	2	4	VTC-09~32	VRM-32A12
1 ~ 1.6	2	4	VTC-09~32	VRM-32A13
1.6 ~ 2.5	4	6	VTC-09~32	VRM-32A14
2.5 ~ 4	6	10	VTC-09~32	VRM-32A15
4 ~ 6	8	16	VTC-09~32	VRM-32A16
5.5 ~ 8	12	20	VTC-09~32	VRM-32A17
7 ~ 10	12	20	VTC-09~32	VRM-32A18
9 ~ 13	16	25	VTC-09~32	VRM-32A21
12 ~ 18	20	35	VTC-09~32	VRM-32A22
17 ~ 25	25	50	VTC-09~32	VRM-32A23
23 ~ 32	40	63	VTC-25~32	VRM-32A24
30 ~ 40	40	63	VTC-25~32	VRM-32A25
23 ~ 32	40	63	VTC-40~95	VRM-95A31
30 ~ 40	40	100	VTC-40~95	VRM-95A32
37 ~ 50	63	100	VTC-40~95	VRM-95A33
48 ~ 65	63	100	VTC-40~95	VRM-95A34
55 ~ 70	80	125	VTC-40~95	VRM-95A35
63 ~ 80	80	125	VTC-40~95	VRM-95A36
80 ~ 93	100	160	VTC-40~95	VRM-95A37

Accessories

VRMA-MA32

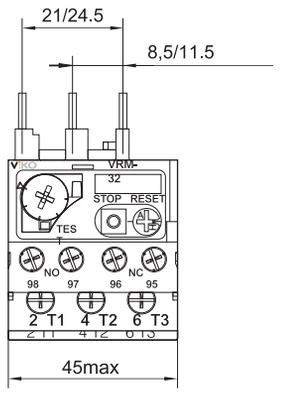
Mounting device compatible with 35 mm DIN rail for VRM32 Series Thermal Relays.

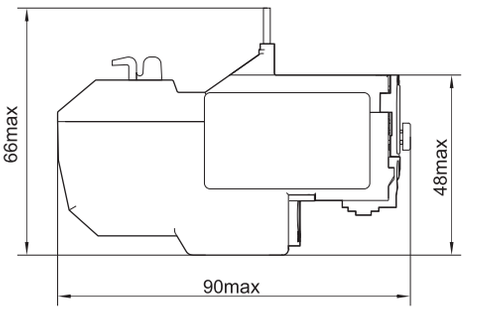
VRMA-MA95

Mounting device compatible with 35 mm DIN rail for VRM95 Series Thermal Relays.

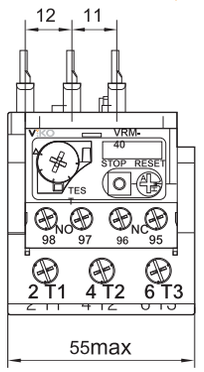
Dimensions (mm)

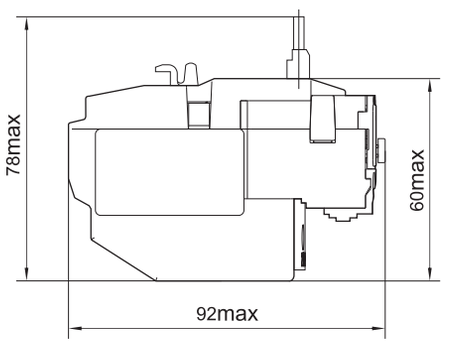
VRM-32A



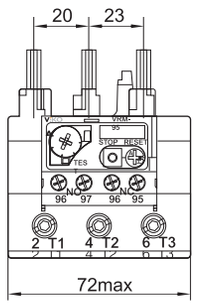


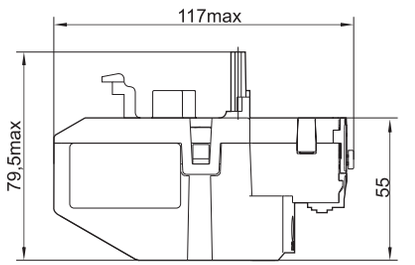
VRM-32A (22-24)



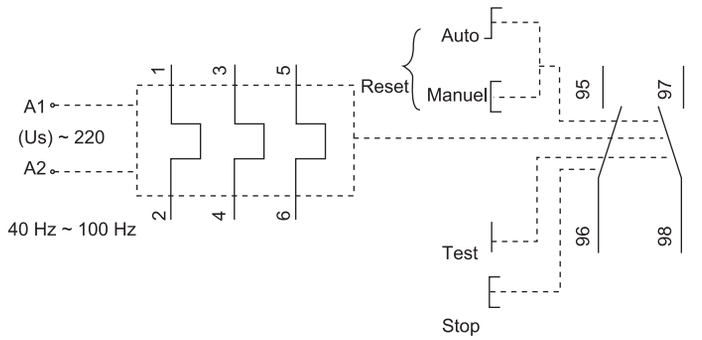


VRM-95A





Connection Diagram



Thermal Relays

Electronic Thermal Relay



Type		Elektromanyetik	
Model		VRE-32	VRE-95
Current Adjustment Range		0.1 ~ 40A	23 ~ 95A
Standard		TS EN 60947-4-1	
Pole		3P	
Supply Voltage (Us)		220 / 230V AC	
Frequency		50 / 60Hz	
Operating Temperature		-5 °C ~ +55 °C	
Rated Insulation Voltage (Ui)		690V	
Auxiliary Contactor		1NO+1NC	
Auxiliary Contact Rated Thermal Current (Ith)		5A	
Auxiliary Contact Control Class		AC-15 690V / 360 AV DC-13 220V / 33W	
Protection Against Phase Loss		For Phase Loss >70%, switches on in 2 sec.	
Protection Against Phase Imbalance		For Phase Imbalance >50, switches on in 4 sec.	
Reset	Model	Automatic or Manual.	
	Duration	Manual Reset: When Reset button is pushed	
		Automatic Reset: 1 min. after trip position.	
LED Warning		"ON": Normal working status, LED light is on.	
		"Flash": Overload status, motor current is higher than 105% of the FLA set value. LED blinks.	
		"OFF": Indicates an overload failure. LED does not flash.	
Stop/Test Function		Pushing Stop button causes location change of NC contact, no modification occurs with NO contact.	

Compatible Contactors

Current Adjustment Range	Circuit Breaker Compatible with Selected Type of Relay		Contactor Used	Device for Mounting to Rail Reference	Thermal Relay Reference
	aM	gG			
A	A	A			
0.1 ~ 0.16	0.25	2	VTC-09~32	VREA-MA32	VRE-32A11
0.16 ~ 0.25	0.5	2	VTC-09~32	VREA-MA32	VRE-32A12
0.25 ~ 0.40	1	2	VTC-09~32	VREA-MA32	VRE-32A13
0.40 ~ 0.63	1	2	VTC-09~32	VREA-MA32	VRE-32A14
0.63 ~ 1	2	4	VTC-09~32	VREA-MA32	VRE-32A15
1 ~1.6	2	4	VTC-09~32	VREA-MA32	VRE-32A16
1.6 ~ 2.5	4	6	VTC-09~32	VREA-MA32	VRE-32A17
2.5 ~ 4	6	10	VTC-09~32	VREA-MA32	VRE-32A18
4 ~ 6	8	16	VTC-09~32	VREA-MA32	VRE-32A21
5.5 ~ 8	12	20	VTC-09~32	VREA-MA32	VRE-32A22
7 ~ 10	12	20	VTC-09~32	VREA-MA32	VRE-32A23
9 ~ 13	16	25	VTC-09~32	VREA-MA32	VRE-32A24
12 ~18	20	35	VTC-09~32	VREA-MA32	VRE-32A25
17 ~ 25	25	50	VTC-09~32	VREA-MA32	VRE-32A26
23 ~ 32	40	63	VTC-09~32	VREA-MA95	VRE-32A27
30 ~ 40	40	80	VTC-09~32	VREA-MA95	VRE-32A28
23 ~ 32	40	63	VTC-40~95	VREA-MA95	VRE-95A31
30 ~ 40	40	100	VTC-40~95	VREA-MA95	VRE-95A32
37 ~ 50	63	100	VTC-40~95	VREA-MA95	VRE-95A33
48 ~ 65	63	100	VTC-40~95	VREA-MA95	VRE-95A34
55 ~ 70	80	125	VTC-40~95	VREA-MA95	VRE-95A35
63 ~ 80	80	125	VTC-40~95	VREA-MA95	VRE-95A36
80 ~ 95	100	160	VTC-40~95	VREA-MA95	VRE-95A37

Accessories

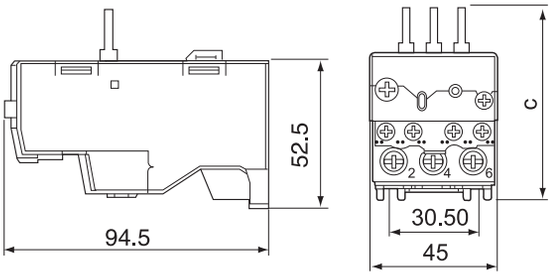
VREA-MA32

Mounting device compatible with 35 mm DIN rail for VRE32 Series Thermal Relays.

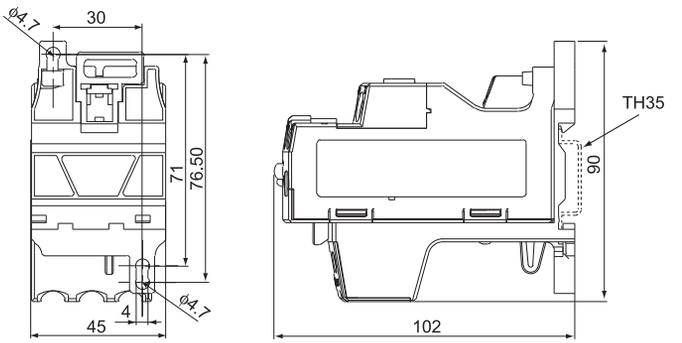
VREA-MA95

Mounting device compatible with 35 mm DIN rail for VRE95 Series Thermal Relays.

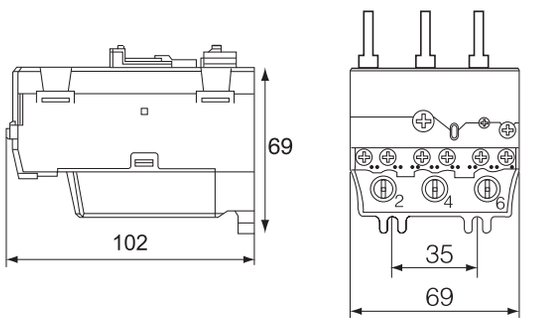
Dimensions (mm)



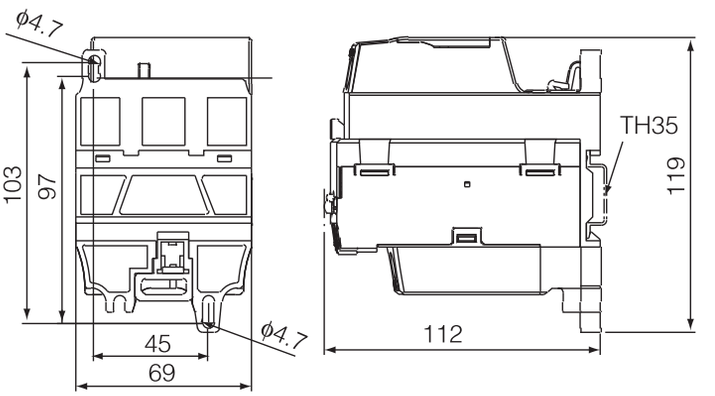
VRE - 32A direct mounting.



Connection with VREA - MA

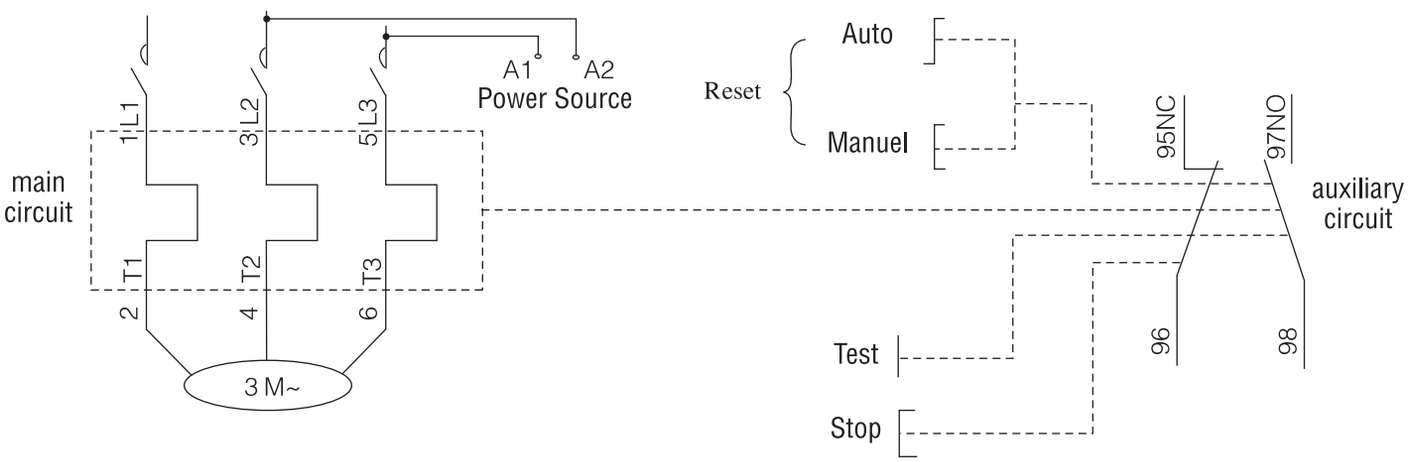


VRE - 95A direct mounting.



Connection with VREA - MA

Connection Diagram



maximum protection, maximum performance...







VMP2

- Overload and short-circuit protection
- 15-grade thermal adjustment field between 0.1-32A
- Sensitive protection against phase loss
- Easy and safe mounting to 35 mm DIN rail
- Great variety of easily mountable accessories
- Protection of electric motors up to 15kW (380/400V)
- High disconnecting capacity 25kA ~ 100 kA (400V/AC)

★ Fast connection

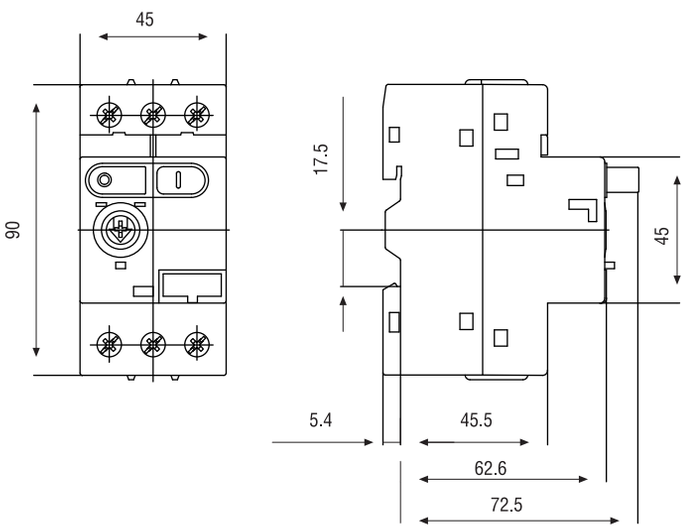
Motor Protection Switches

VMP2 Series

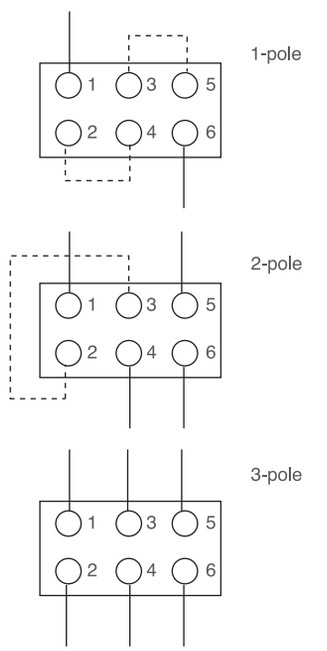


Technical Information	
Model	**VMP2**
Protection	Thermal - Magnetic
Standard	TS EN 60947-4-1
Thermal Adjustment Field	0.1-0.16; 0.16-0.25; 0.25-0.40; 0.4-0.63; 0.63-1; 1-1.6; 1.6-2.5; 2.5-4; 4-6.3; 6.3-10; 9-14; 13-18; 17-23; 20-27; 25-32
Rated Service Voltage (Ue)	690 V / AC
Thermal Tripping Current Range in case of Overcurrent (I)	1.05 Ir < I < 1.2 Ir Ir : Adjustable Current Value
Magnetic Tripping & Closing	11 In < I < 13 In ±%20 In : Maximum Value of Thermal Adjustment Field
Phase Loss Sensitivity	In conformity with IEC 60947-4-1
Mechanical Endurance	Switchable 100,000 times
Electrical Endurance	Switchable 100,000 times
Operating Temperature	-5 ~ +40 °C
Storage Temperature	-25 ~ +70 °C
Protection Class	IP20
Degree of Contamination	III / 3
Vibration Resistance (as per IEC 68-2-6)	5g (5 to 150 Hz)
Rated Insulation Voltage (Ui)	690 V
Impact Resistance Voltage (Uimp)	6kV
Trip Position (according to IEC/EN 60947-4-1)	10
Connection Section	Hard drawn conductor 0.75...10 mm^2 - Flexible conductor 0.75...6 mm^2
Category of Use (according to IEC/EN 60947-4-1)	AC - 3
Category of Use (according to IEC/EN 60947-2)	A
Power Consumption (P)	2 - 2.5 W

Dimensions (mm)



Connection Diagram



Accessories





Auxiliary Contact Block

Reference	Contact
VMPA-AU2/11N	1NO + 1NC
VMPA-AU2/20N	2NO
VMPA-AU2/10N	1NO
VMPA-AU2/10	1NO (on top)
VMPA-AU2/01	1NO (on top)

Alarm Contact

Reference	Contact
VMPA-W2/10	1NO
VMPA-W2/01	1NC

Under Voltage Coil

Reference	Operating Voltage
VMPA-UVR2S	220/240 V AC

Shunt Release Coil

Reference	Operating Voltage
VMPA-SR2S	220/240 V AC

Signal Lamp

Reference	Description
VMPA-S2W	White
VMPA-S2R	Red
VMPA-S2G	Green

Reference	Description
VMPA-ES2	Emergency Stop Button
VMPA-B2	Protective Box
VMPA-L2	Padlock
VMPA-F2	Plastic Frame
VMPA-NL2	Neutral Conductor Wire

Selection Table

Reference	Thermal Adjustment Field	Motor Outputs					
		1 Phase	3 Phase				
		220V	220V	380V	440V	500V	660V - 690V
		230V	230V	400V			
		240V	240V	415V			
	A	kW					
VMP2-0.16	0.10-0.16						0.06
VMP2-0.25	0.16-0.25			0.06	0.06	0.06...0.09	0.06...0.12
VMP2-0.40	0.25-0.40		0.06	0.09	0.12	0.09...0.12	0.18
VMP2-0.63	0.40-0.63		0.09	0.12...0.18	0.18	0.18	0.25
VMP2-1	0.63-1.00	0.06...0.09	0.09...0.12	0.18...0.25	0.25...0.37	0.25...0.37	0.37...0.55
VMP2-1.6	1.00-1.60	0.12	0.18...0.25	0.37...0.55	0.37...0.55	0.55...0.75	0.75...1.1
VMP2-2.5	1.60-2.50	0.18...0.25	0.37	0.75	0.75...1.1	1.1	1.5
VMP2-4	2.50-4.00	0.37	0.55...0.75	1.1...1.5	1.5	1.5...2.2	2.2...3
VMP2-6.3	4.00-6.30	0.55...0.75	1.1...1.5	2.2	2.2...3	2.2...3	4
VMP2-10	6.30-10.0	1.1...1.5	1.5...2.2	3...4	4	4...5.5	5.5...7.5
VMP2-14	9.00-14.0	2.2	2.2...3	5.5	5.5...7.5	5.5...7.5	9...11
VMP2-18	13.0-18.0	3	4	7.5	7.5...9	9...11	15
VMP2-23	17.0-23.0		5.5	9...11	11	11	15...18.5
VMP2-27	20.0-27.0		5.5...7.5	11	11	15	18.5...22
VMP2-32	25.0-32.0		7.5	15	15	18.5	22

reliable, high performance...



- Rated current value ranging widely from 630A to 6300A
- High disconnecting capacity at 80-120kA values
- In conformity with IEC/EN 60947-4-2 standard
- 3 & 4-pole options.
- Fixed or drawer type feature
- Smart control unit
- Variety of accessory options



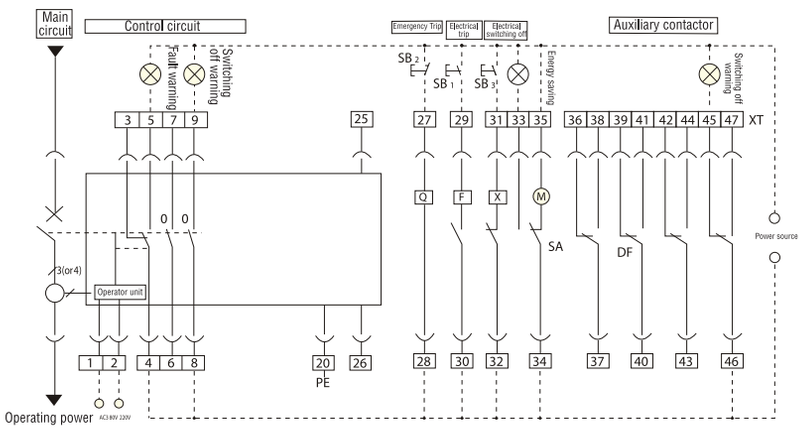

Second terminal block
Reset button
Control unit
Switching off button
Switching on button
Setup Handle
630A - 6300A rating capacity
ON / OFF indicator
Wiring mechanism energy status indicator

Air Circuit Breakers

Accessories

Model		VACB1	VACB2	VACB3	VACB4
Rated Current In (A)		600, 800, 1000, 1250, 1600, 2000	2500,3200	4000	5000, 6300
Number of Poles		3,4	3,4	3,4	3,4
Rated Service Voltage Ue (V) 50/60 Hz		400	400	400	400
Rated Insulation Voltage Ui (V) 50/60 Hz		1000	1000	1000	1000
Rated Voltage of Impact Resistance Uimp (kV)		12	12	12	12
Rated Current Adjustment Field In (A)		(0.4-1) In	(0.4-1) In	(0.4-1) In	(0.4-1) In
Maximum Rated Short-Circuit	400V	80	100	100	120
Disconnecting Capacity Icu (kA)	690V	50	65	75	85
Rated Service Short-Circuit	400V	50	65	80	100
Disconnecting Capacity Ics (kA)	690V	40	50	65	75
Short-circuit Resistance Capacity	400V	50	65	80	100
Icw (kA)	690V	40	50	65	75
Trip Unit (M Type)		Electronic	Electronic	Electronic	Electronic
Mounting Type		Fixed/Drawer	Fixed/Drawer	Fixed/Drawer	Fixed/Drawer
Long time delay current		IL=(0.4-1)In	IL=(0.4-1)In	IL=(0.4-1)In	IL=(0.4-1)In
Short Time Delay Current		Is=(0.4-15)In	Is=(0.4-15)In	Is=(0.4-15)In	Is=(0.4-15)In
Mechanical Endurance	With Maintenance	20.000	20.000	10.000	10.000
	Without Maintenance	13.500	10.000	5.000	5.000
Electrical Endurance		6.500	6.500	1.500	1.500
Accessories	Low Voltage Coil	*	*	*	*
	Trip Coil	*	*	*	*
	Switching Off Coil	*	*	*	*
	Auxiliary Contact Block	*	*	*	*
	Motor Control	*	*	*	*
	Mechanism	*	*	*	*
	Reversing Lock	*	*	*	*

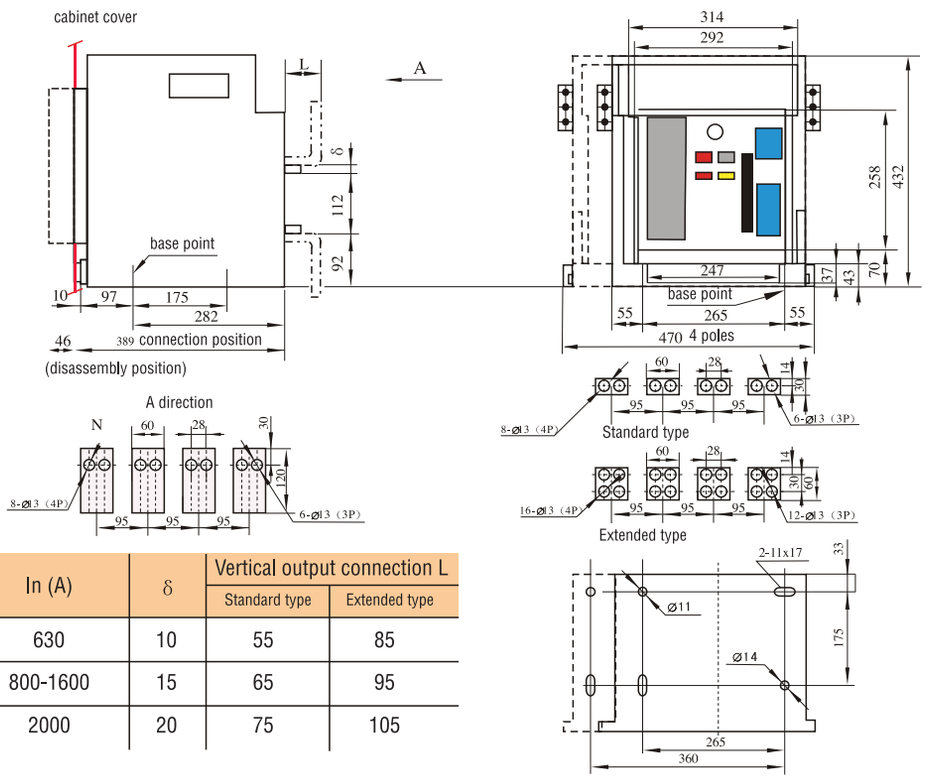
Connection Diagram



SB1	Remote trip button
X	Switching off coil
DF	Auxiliary contact
1,2	Input for operating power
SB2	Low voltage trip button
M	Motor mechanism
F	Remote trip coil
20	Protective Grounding
XT	Wire terminal
25,26	Input terminals at current transformer connection
SB3	Switching off button
SA	Motor adjustment switch
Q	Instantaneous or delayed type of low voltage coil
0	N.O. (Normally open) contact (3A/AC380V)

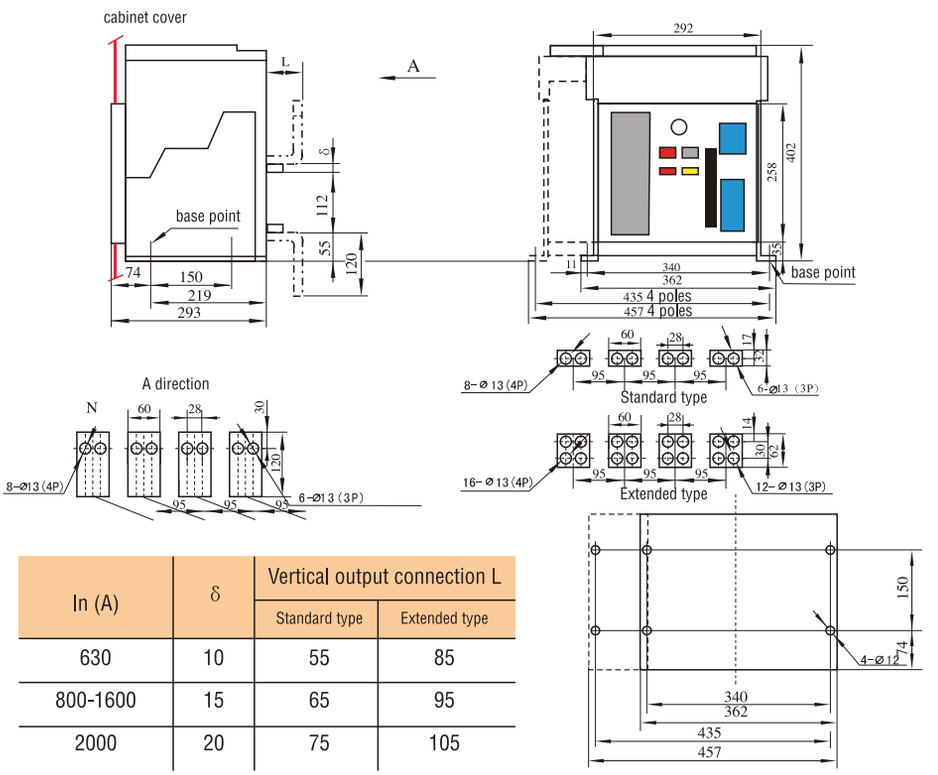
Dimensions (mm)

• VACB-2000 case connection and mounting dimensions (drawer type)



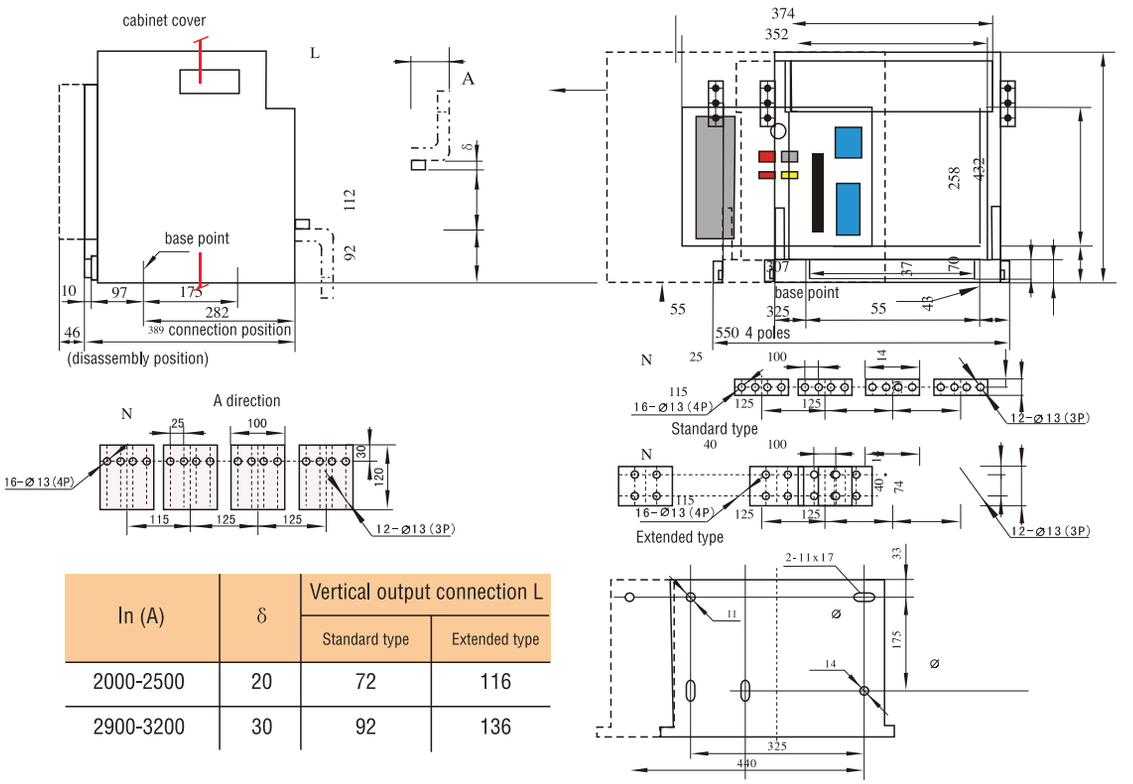
In (A)	δ	Vertical output connection L	
		Standard type	Extended type
630	10	55	85
800-1600	15	65	95
2000	20	75	105

• VACB-2000 case connection and mounting dimensions (fixed type)



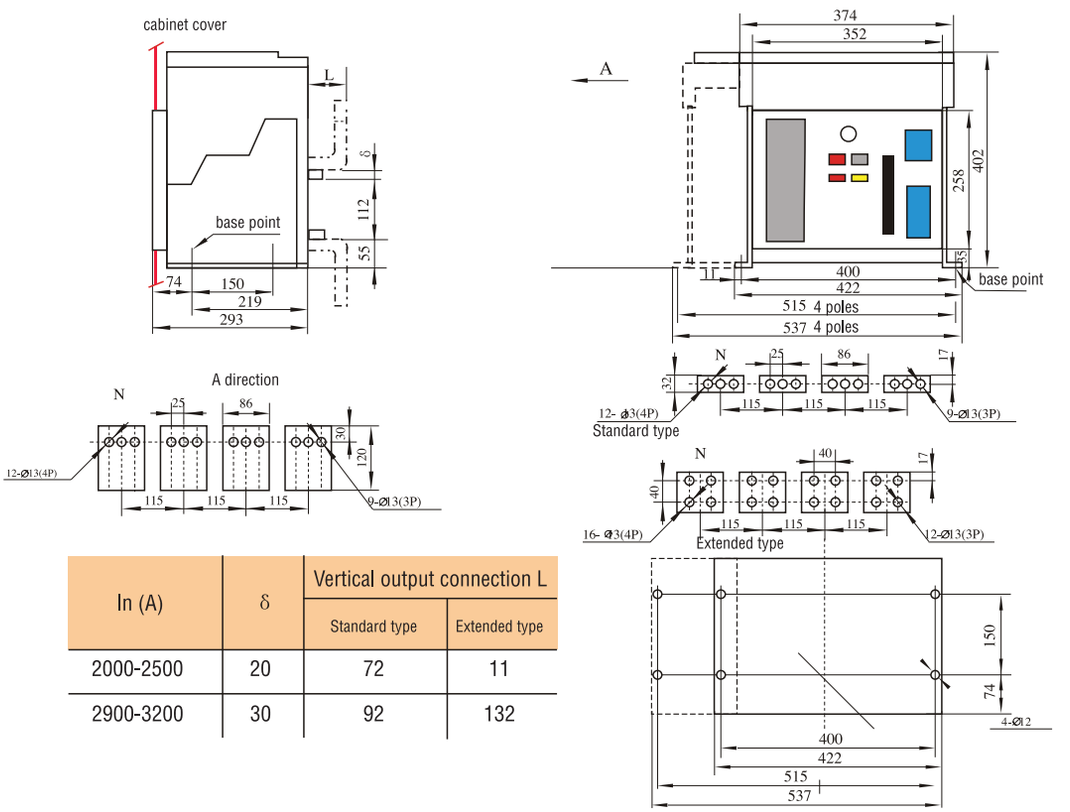
In (A)	δ	Vertical output connection L	
		Standard type	Extended type
630	10	55	85
800-1600	15	65	95
2000	20	75	105

• VACB-3200 case connection and mounting dimensions (drawer type)



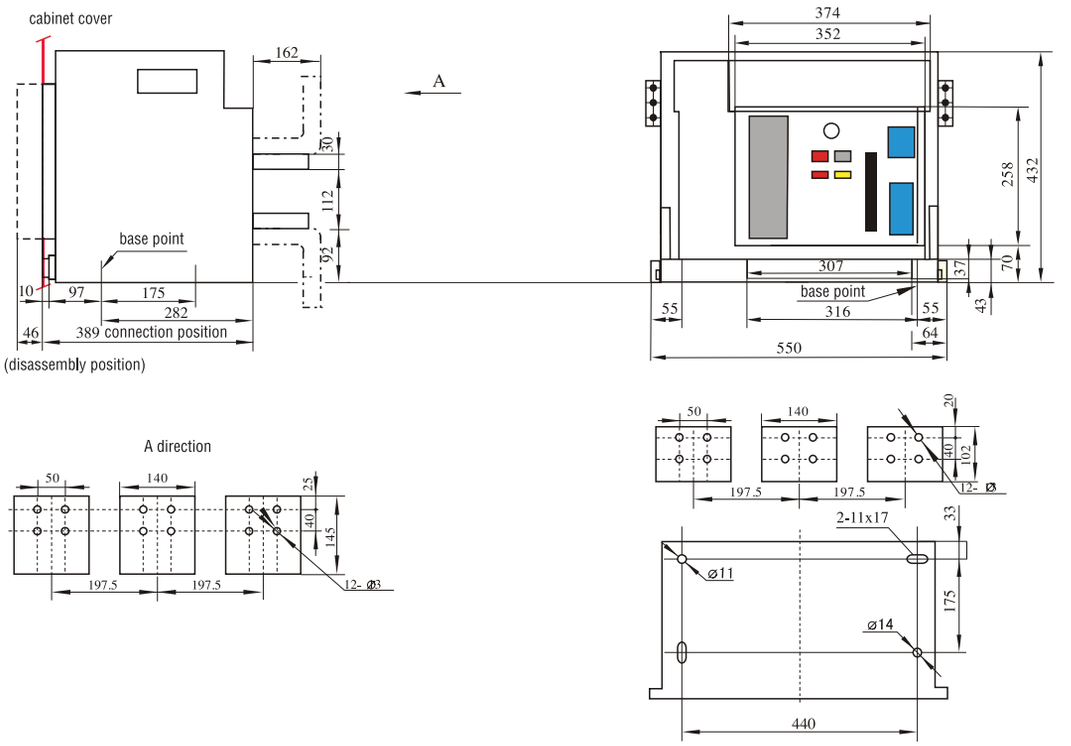
In (A)	δ	Vertical output connection L	
		Standard type	Extended type
2000-2500	20	72	116
2900-3200	30	92	136

• VACB-3200 case connection and mounting dimensions (fixed type)

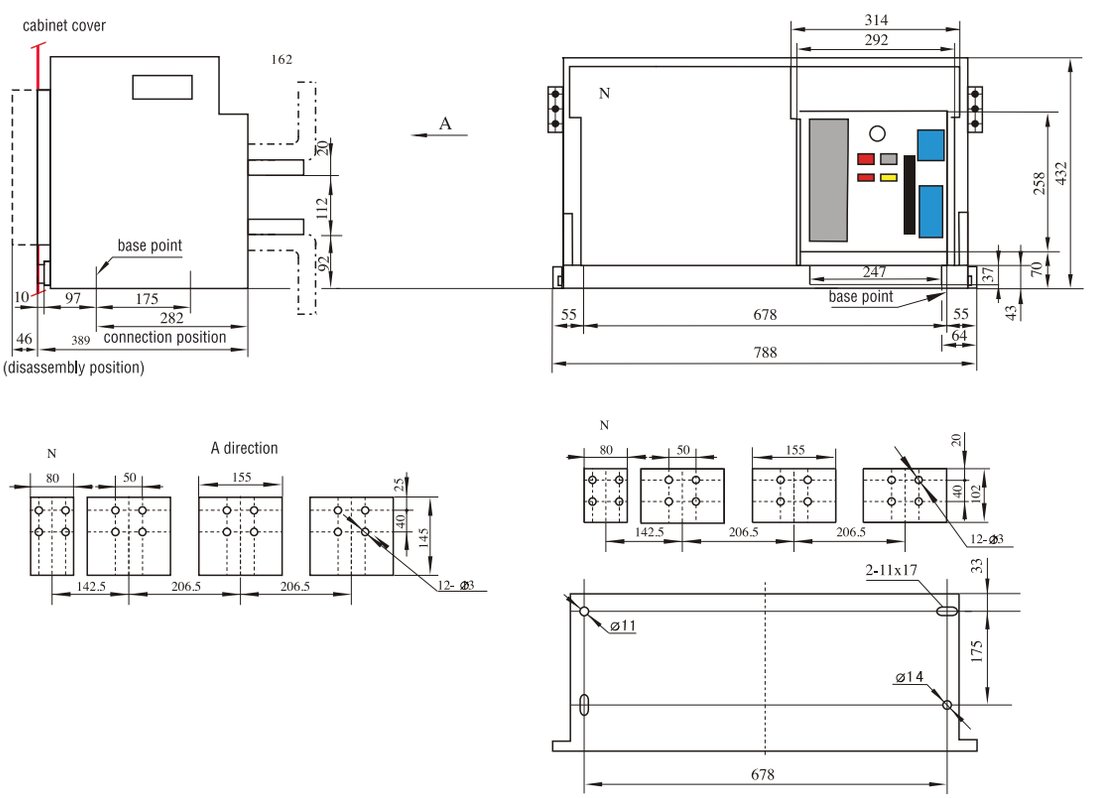


In (A)	δ	Vertical output connection L	
		Standard type	Extended type
2000-2500	20	72	11
2900-3200	30	92	132

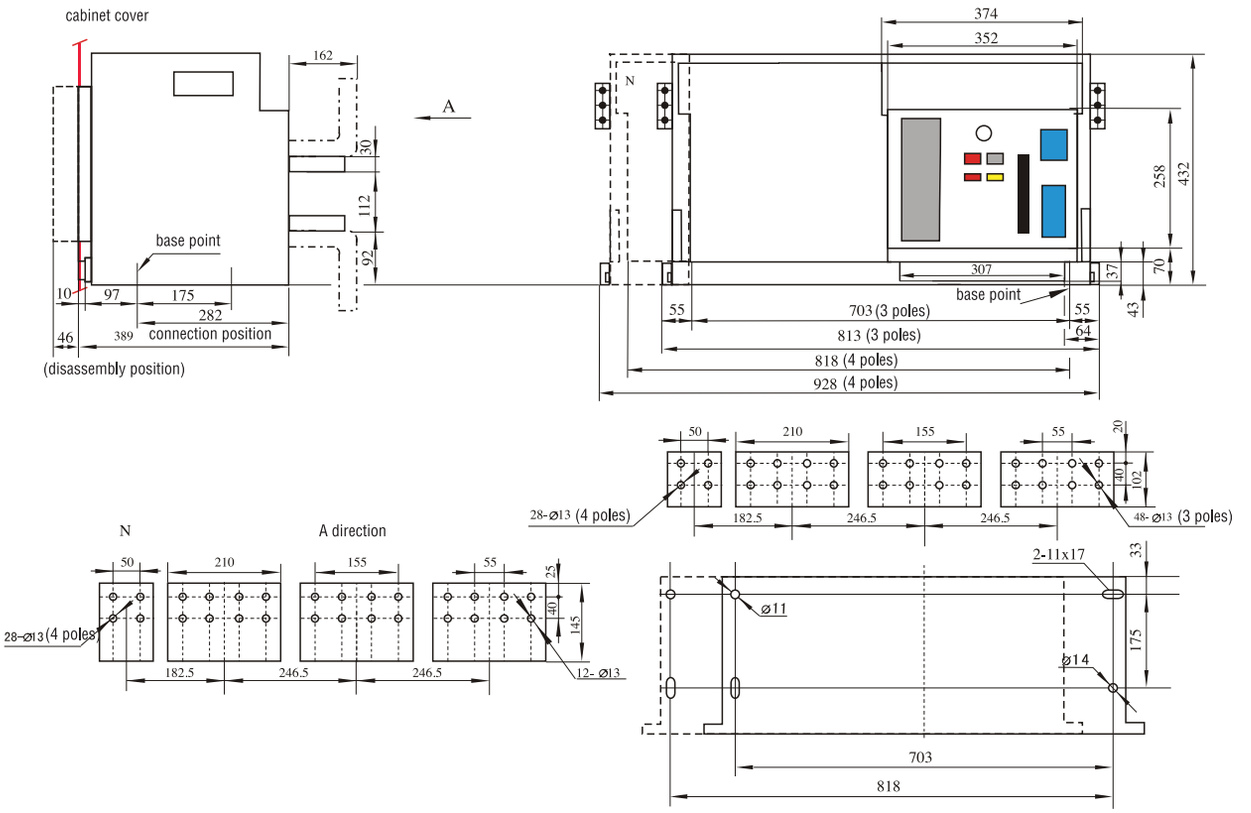
• VACB-4000/3 case connection and mounting dimensions (drawer type)



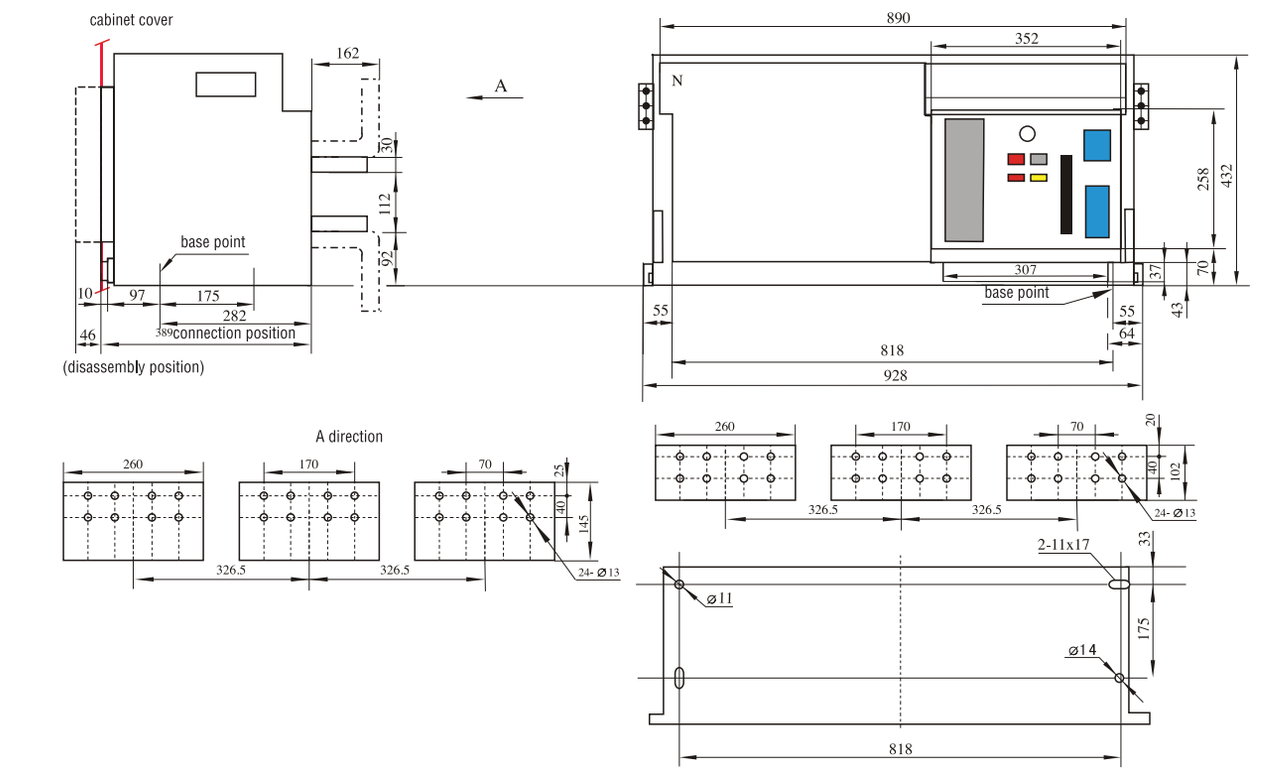
• VACB-4000/4 case connection and mounting dimensions (drawer type)



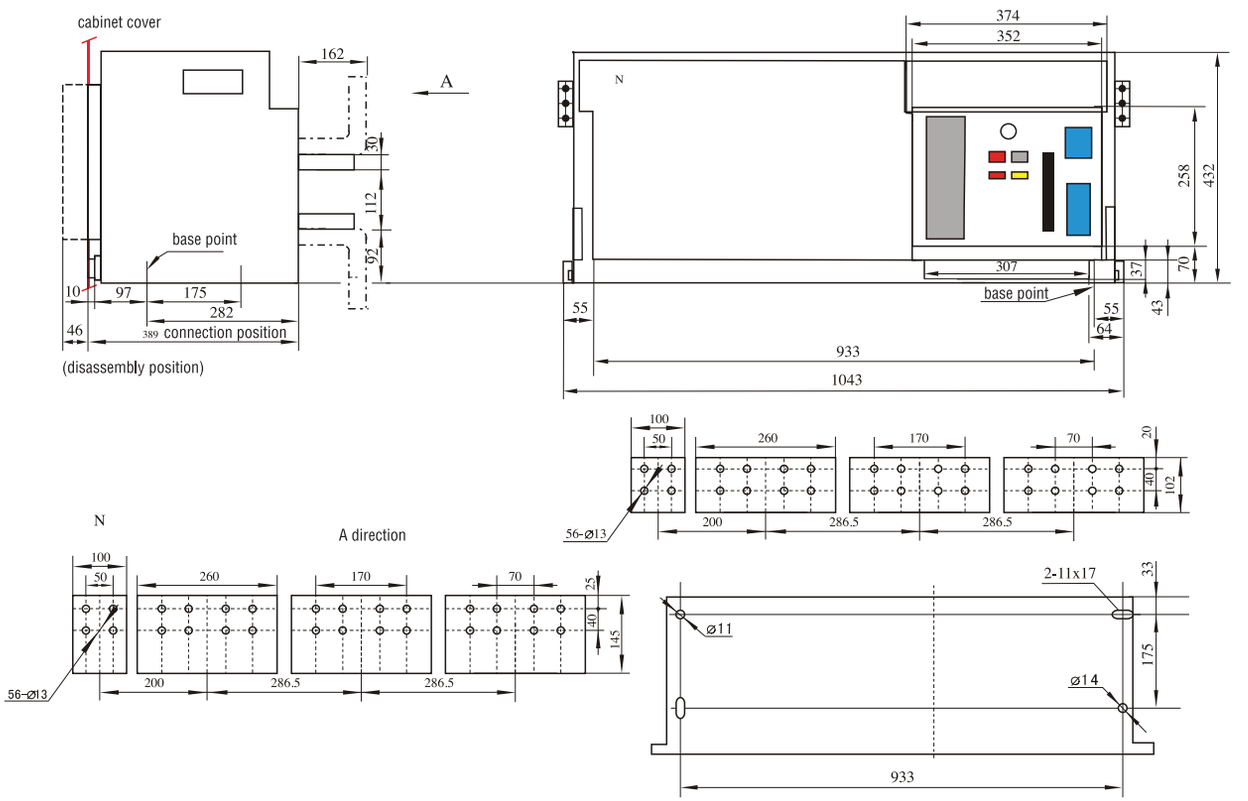
• VACB-6300 (In=4000A, 5000A case connection and mounting dimensions (drawer type)



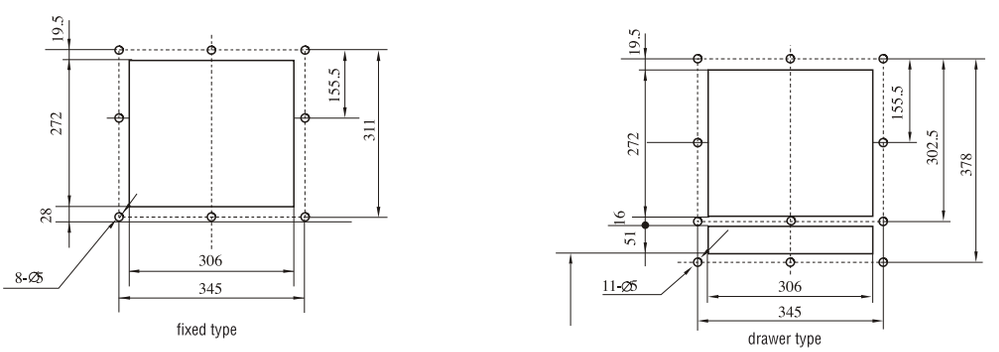
• VACB-6300 (In=6300A 3P case connection and mounting dimensions (drawer type)



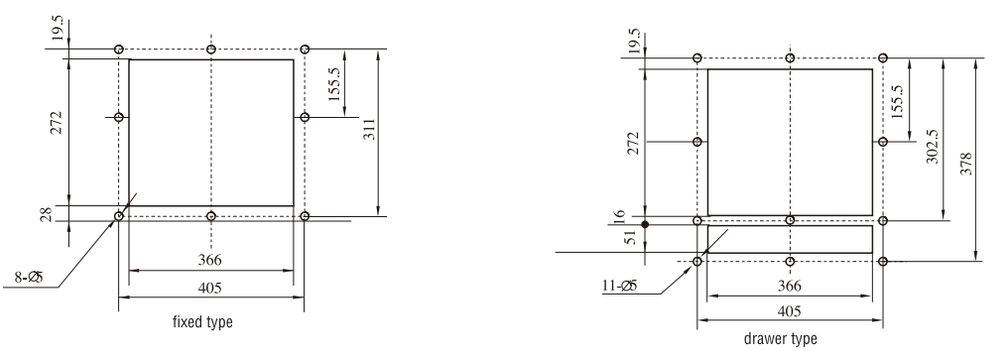
• VACB-6300 (In=4000A, 5000A case connection and mounting dimensions (drawer type)



• VACB-2000, VACB-4000/4 mounting connection points



• Mounting connection points between VACB-3200 ~ VACB-6300



user friendly design...







Safety and design, two concepts which are demanded almost at every medium at once have met within VIKO distribution boxes. Sensitive safety thanks to plastic's insulative nature and decorative appearance due to aesthetical lines are together within the VIKO breaker boxes and in life. On the other hand, resisting against heat and impacts thanks to its solid structure, these breaker boxes also meet work comfort expectations in the best possible way with their large inner volume.

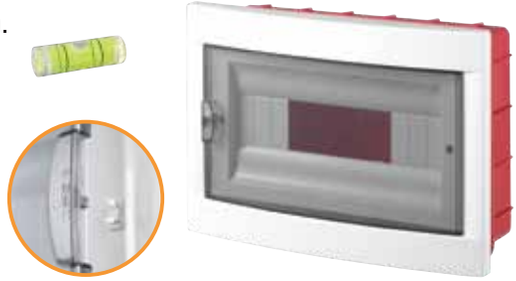
Distribution Boxes



VIKO breaker boxes deliver safety with plastic's insulative nature and an aesthetic view with their outstanding design. Meets your expectations thanks to its heat-and-impact-resistant structure and large inner volume which offers a comfortable work.

- Conform to IP40 protection standard.
- Class II; electric shock-protected.
- Temperature range during installation -15°C / + 60°C.
- Flame and fire-resistant up to 650°C.
- Has 180° screw-in covers depending on the place of use.
- The fact that frame is spring-loaded keeps glass cover open.
- Breaker rail is made of galvanized sheet.
- Provides comfort in mounting and working, thanks to its large inner volume.
- Resistant against heat and impacts.
- Grounding terminal and connection accessories are available.
- Halogen-free option.
- Water gauge.

IP40



Terminal



4-Terminal
90910001



6-Terminal
90910002



9-Terminal
90910003



10-Terminal
90910004



12-Terminal
90910005



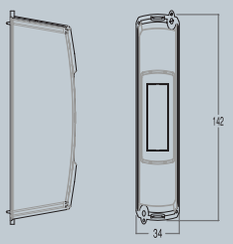
Insulated 6-Terminal
90911002

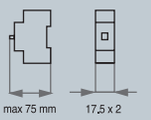


Insulated 10-Terminal
90911005

1-Surface Mounted 90914000

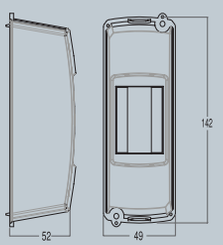


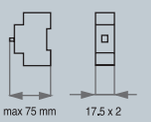




1-2-Surface Mounted 90914001

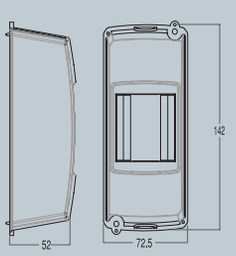


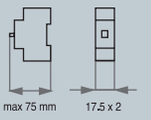




3-4-Surface Mounted 90914003



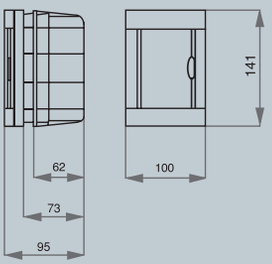


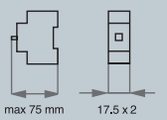


Distribution Boxes

2-Flush Mounted 90912002

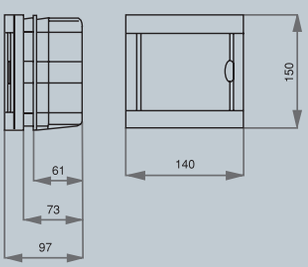


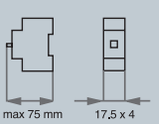




4-Flush Mounted 90912004

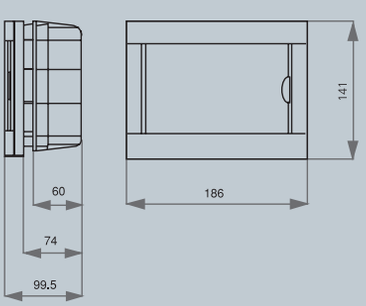


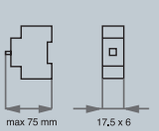




6-Flush Mounted 90912006





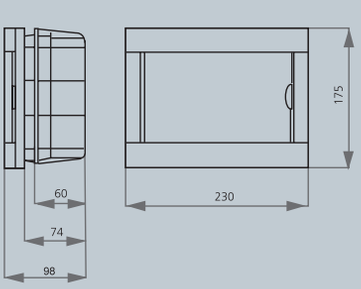


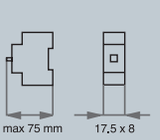
8-Flush Mounted 90912008





Locked cover system.



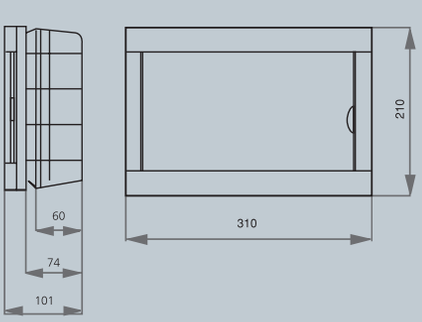


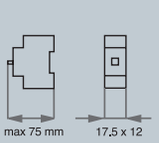
12-Flush Mounted 90912012





Locked cover system.





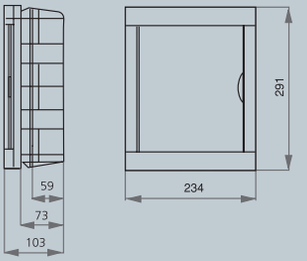
16-Flush Mounted 90912016

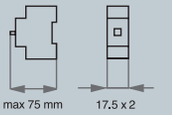






Locked cover system.





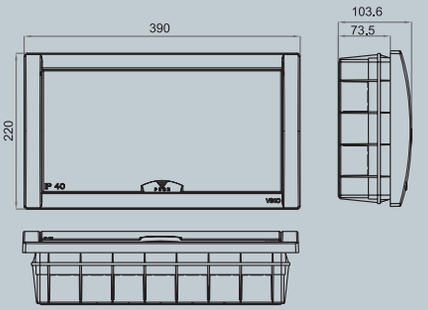
18-Flush Mounted 90912018

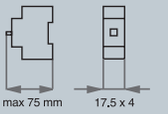






Locked cover system.





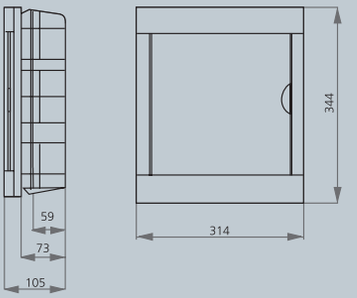
24-Flush Mounted 90912024

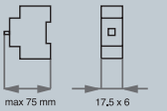






Locked cover system.





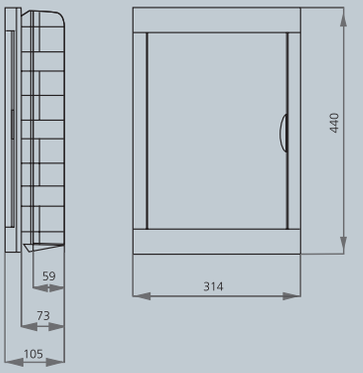
36-Flush Mounted 90912036

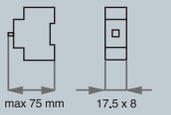






Locked cover system.

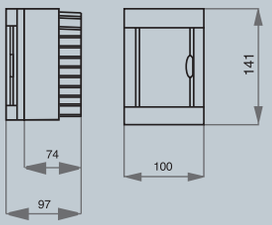


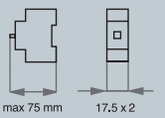


Distribution Boxes

2-Surface Mounted 90912102

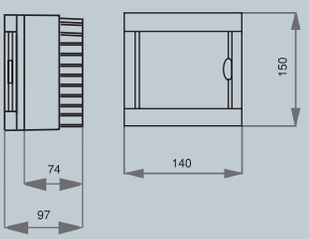


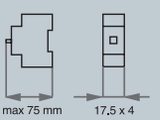




4-Surface Mounted 90912104

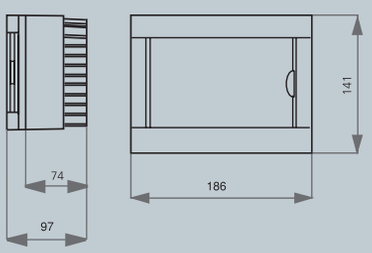


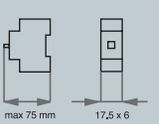




6-Surface Mounted 90912106





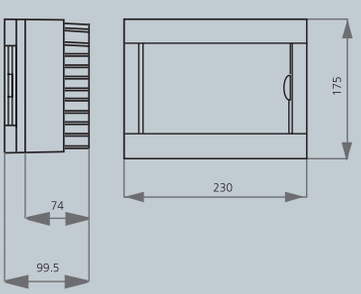


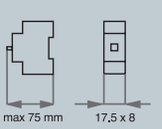
8-Surface Mounted 90912108





Locked cover system.



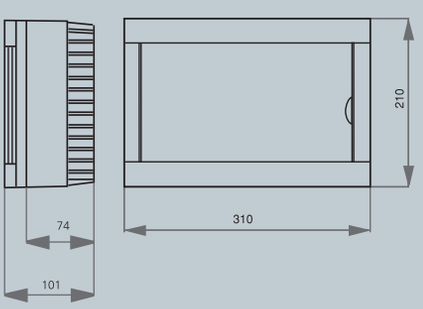


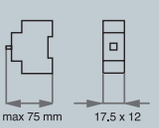
12-Surface Mounted 90912112





Locked cover system.





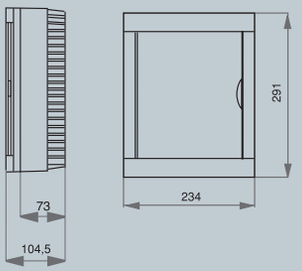
16-Surface Mounted 90912116

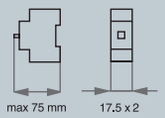






Locked cover system.





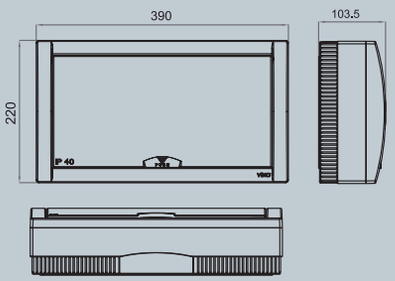
18-Surface Mounted 90912118

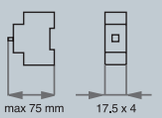






Locked cover system.





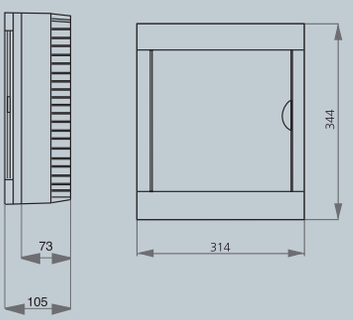
24-Surface Mounted 90912124

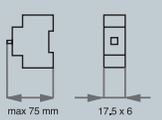






Locked cover system.





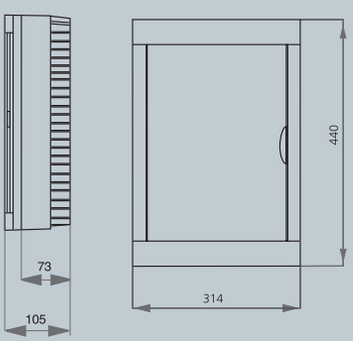
36-Surface Mounted 90912136

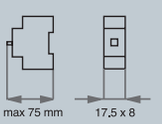






Locked cover system.





Combined power

Smart, economic, environment-friendly...

VEM - C5100DB2
VEM - CX5CB2
VEM - CX5VB2

Industrial Electronic Energy Meter

VIKO electronic industrial energy meters are designed to meet the needs of agricultural irrigations, middle and large-scale enterprises, industrial organizations. They measure, detect and record active and reactive energy consumptions, load profile and demand values, and fault warnings, in 3 phase 4 wire systems connected to mains line directly or via current/voltage transformers, in a highly accurate way.

Industrial energy meters are in conformity with EN 50470-1, EN 50470-3 and EN 62052-23 standards in terms of their measuring and technical features. Design and production processes of VIKO energy meters are in conformity with ISO 9001:2000 Quality Management System and ISO 14001 Environmental Management System Standards. They are certified as per the European Measuring Instruments Directive (MID), National Type-Approval for Measuring Instruments and minimum specifications of TEDAŞ. VIKO industrial energy meters are put into use under 3 types, namely VEM-C5100DB2 (Direct Connection), VEM-CX5CB2 (Current Transformer Connection) and VEM-CX5CB2 (Current/Voltage Transformer Connection).

Conform to European Measuring Instruments Directive (MID) APPROVED by TEDAŞ



VIKO by Panasonic

Superior Qualities that Make Difference

- Manufactured according to ISO 14001 Environmental Management System Standards, VIKO energy meters preserve our environment with their bullet-proof design and contribute in recycling with their plastic seal technology.
- Introduces a different perspective to energy meter outershell design with its awarded industrial design.
- Prevents energy waste thanks to its sensitive measuring structure and saves energy by up to 45% at specific time periods during the day, with its tariff feature.
- Enables access to energy consumption information recorded at specific time periods via optical communication, thanks to its multichannel load profile feature.
- Makes it possible to see on your energy meter, values of instantaneous power and current used by your devices operating within the mains line, and instantaneous voltage and Cosf values of your mains line.
- Ensures 100% IP54 water and dust tightness with its double injection molding technology.
- Keeps record of current and voltage cutoffs that can occur in mains line.
- Enables remote access to data that can be received by your energy meter through RS485 communication port.
- Warns user against imbalanced loads and fault conditions in the mains line by showing on energy meter screen the current operating areas per phase
- Warns you against connection faults via reverse connection warnings which are available for each phase, on energy meter screen.
- Shows operating status of energy meter's - all three phases and warns against potential faults.
- Enables thickwire use thanks to the diameter width of the connection block in directly connected energy meters.

Standard Features

- **With Tariffs**
- **With Demand Meter**
- **LCD screen**
- **Access to all the screen information when the power is off**
- **Optical port and RS485 communication port**
- **Active and reactive energy measurement**
- **Automatic Daylight Saving & Winter time application**

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Ocak 2017

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VİKO Elektrik ve Elektronik Endüstrisi San. ve Tic. A.Ş.
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T: 0 216 564 55 55 pbx. **F:** 0 216 564 55 44
viko.com.tr **e-mail:** viko@viko.com.tr