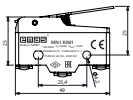
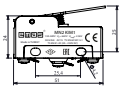
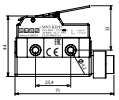
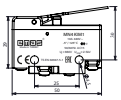


BASIC SWITCHES

MN Series Mini Switch

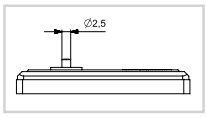
		MN1	MN2	MN3 (IP65)	MN4
MN1KIM1	MN+KIM1	Box/Pcs	10	10	10	10
		Code	MN1KIM1	MN2KIM1	MN3KIM1 (IP65)	MN4KIM1
		Contact Type	1 CO	1 CO	1 CO	1 NK+1 NA
MN2KIM2	MN+KIM2	Code	MN1KIM2	MN2KIM2	MN3KIM2 (IP65)	MN4KIM2
		Contact Type	1 CO	1 CO	1 CO	1 NK+1 NA
MN1KIM3	MN+KIM3	Code	MN1KIM3	MN2KIM3	MN3KIM3 (IP65)	MN4KIM3
		Contact Type	1 CO	1 CO	1 CO	1 NK+1 NA
MN2MIM1	MN+MIM1	Code	MN1MIM1	MN2MIM1	MN3MIM1 (IP65)	MN4MIM1
		Contact Type	1 CO	1 CO	1 CO	1 NK+1 NA
MN1MIM1A	MN+MIM1A	Code	MN1MIM1A	MN2MIM1A	MN3MIM1A (IP65)	
		Contact Type	1 CO	1 CO	1 CO	
MN2MIM1Y	MN+MIM1Y	Code	MN1MIM1Y	MN2MIM1Y	MN3MIM1Y (IP65)	MN4MIM1Y
		Contact Type	1 CO	1 CO	1 CO	1 NK+1 NA
MN1MIM2	MN+MIM2	Code	MN1MIM2	MN2MIM2	MN3MIM2 (IP65)	MN4MIM2
		Contact Type	1 CO	1 CO	1 CO	1 NK+1 NA
MN2MUM3	MN+MUM3	Code	MN1MUM3	MN2MUM3	MN3MUM3 (IP65)	
		Contact Type	1 CO	1 CO	1 CO	
MN2MUM8	MN+MUM8	Code	MN1MUM8	MN2MUM8	MN3MUM8 (IP65)	
		Contact Type	1 CO	1 CO	1 CO	
MN1MUM9	MN+MUM9	Code	MN1MUM9			
		Contact Type	1 CO			

MN Series Mini Switch

	MN1	MN2	MN3 (IP65)	MN4
Box/Pcs	10	10	10	10
Code	MN1PUM1	MN2PUM1	MN3PUM1 (IP65)	
Contact Type	1 CO	1 CO	1 CO	

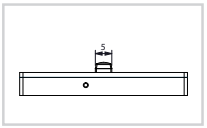

MN1PUM1



MN+PUM1

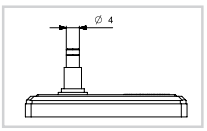
Code				MN4PUP1
Contact Type				1 NK+1 NA


MN4PUP1


MN+PUP1

Code	MN1PUM3	MN2PUM3	MN3PUM3 (IP65)	
Contact Type	1 CO	1 CO	1 CO	

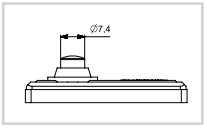

MN2PUM3



MN+PUM3

Code	MN1PUM7	MN2PUM7	MN3PUM7 (IP65)	
Contact Type	1 CO	1 CO	1 CO	

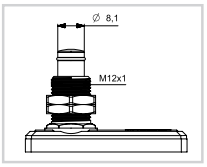

MN3PUM7



MN+PUM7

Code	MN1PUM9	MN2PUM9	MN3PUM9 (IP65)	
Contact Type	1 CO	1 CO	1 CO	

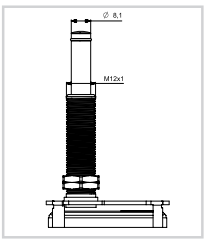

MN3PUM9



MN+PUM9

Code	MN1PUM9U			
Contact Type	1 CO			

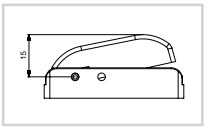

MN1PUM9U



MN+PUM9U

Code		MN2TIP11		
Contact Type		1 NA		

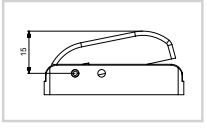

MN2TIP11



MN+TIP11

Code		MN2TIP11Y*		
Contact Type		1 NA		

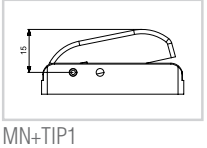

MN2TIP11Y



MN+TIP11Y*

Code		MN2TIP1		
Contact Type		1 CO		


MN2TIP1



MN+TIP1

Code	Type	Features	Box/Pcs
MN1YKAP	Protection Cover	Suitable for MN1 and MN2	10


MN1YKAP

* Hardened spring and green button


MK1PUP1


MK1KIM1


MK1MIP3

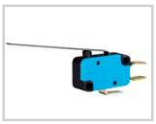

MK1KIM5


MK1PUM9


MK1KIM31A

Micro Switch

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
MK1PUM9	1 CO	Plunger	Metal	10
MK1PUP1	1 CO	Plunger	Plastic	50
MK1KIM1	1 CO	Lever	Metal	50
MK1KIM2	1 CO	Lever	Metal	50
MK1KIM3	1 CO	Lever	Metal	50
MK1KIM31A	1 NC	Lever	Metal	50
MK1KIM4	1 CO	Lever	Metal	40
MK1KIM5	1 CO	Lever	Metal	40
MK1MIM1	1 CO	Roller Lever	Metal	50
MK1MIM2	1 CO	Roller Lever	Metal	40
MK1MIP1	1 CO	Roller Lever	Metal	50
MK1MIP2	1 CO	Roller Lever	Plastic	40
MK1MIP3	1 CO	Roller Lever	Plastic	40


MK1KIM3


MK1KIM4


MK1MIM1


MK1MIM2


MK1MIP1


MK1MIP2


MK1KIM2


BS1022


BS1012

Button Switch, IP50

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
BS1010	1 NO, Snap Action	Plunger	Plastic	20
BS1010E	1 NO, Snap Action	Plunger	Plastic with Silicon Cover	16
BS1011	1 NC,Snap Action	Plunger	Plastic	20
BS1011E	1 NC, Snap Action	Plunger	Plastic with Silicon Cover	16
BS1012	1NO+1NC, Snap Action	Plunger	Plastic	20
BS1012E	1NO+1NC, Snap Action	Plunger	Plastic with Silicon Cover	20
BS1020	1 NO, Slow Action	Plunger	Plastic	16
BS1021	1 NC, Slow Action	Plunger	Plastic	20
BS1022	1NO+1NC, Snap Action	Plunger	Plastic	20
BS1040	1 NO, Snap Action	Plunger	Plastic	20
BS1041	1 NC,Snap Action	Plunger	Plastic	20
BS1042	1NO+1NC, Snap Action	Plunger	Plastic	20


BS1010E


BS1011E


BS1012E


BS1040


BS1010TX1

Button Switches, IP 67

Code	Contact Type	Cable Length	Actuator	Actuator Material	Box/Pcs
BS1010TX1	1NO, Snap Action	1m	Plunger	Plastic, With Silicon Cap	1
BS1011TX1	1NC, Snap Action	1m	Plunger	Plastic, With Silicon Cap	1
BS1012TX1	Double Circuit, Snap Action	1m	Plunger	Plastic, With Silicon Cap	1


MA111K


MA111TT


MA113


MA122


MA212


MA221


MA223T


MAK

Toggle Switch

Code	Contact Type	Cable Connection	Actuator Material	Plate	Box/Pcs
MA111	SPST	2 Screws	Metal	On-Off	10
MA111K	SPST	2 Screws, With cover	Metal	On-Off	10
MA111L	SPST	2 Soldering Terminals	Metal	On-Off	10
MA111T	SPST	2 Terminals	Metal	On-Off	10
MA111TT	SPST	2 Terminals	Metal	On-Off (Black)	10
MA112	SPDT	3 Screws	Metal	On-On	10
MA113	SP3T	3 Screws	Metal	On-Off-On	10
MA121	SPST	2 Screws	Metal, Plastic Covered	On-Off	10
MA122	SPDT	3 Screws	Metal, Plastic Covered	On-On	10
MA123	SP3T	3 Screws	Metal, Plastic Covered	On-Off-On	10
MA211	DPST	4 Screws	Metal	On-Off	6
MA212	DPDT	6 Screws	Metal	On-On	6
MA212T	DPDT	6 Terminals	Metal	On-On	6
MA213	DP3T	6 Screws	Metal	On-Off-On	6
MA213T	DP3T	6 Terminals	Metal	On-Off-On	6
MA221	DPST	4 Screws	Metal, Plastic Covered	On-Off	6
MA222	DPDT	6 Screws	Metal, Plastic Covered	On-On	6
MA222T	DPDT	6 Terminals	Metal, Plastic Covered	On-On	6
MA223	DP3T	6 Screws	Metal, Plastic Covered	On-Off-On	6
MA223T	DP3T	6 Terminals	Metal, Plastic Covered	On-Off-On	6
MAK	-	-	Plastic	-	10



MAY111



MAY211



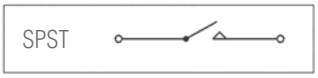
MAY213

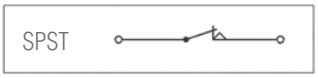


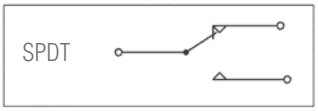
MAY222

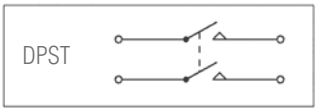
Toggle Switch, Spring Return

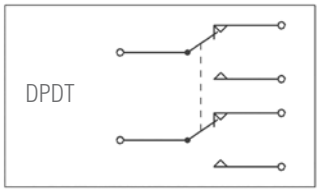
Code	Contact Type	Cable Connection	Actuator Material	Plate	Box/Pcs
MAY111	SPST	2 Screws	Metal	On-Off	10
MAY111L	SPST	2 Soldering Terminals	Metal	On-Off	10
MAY111T	SPST	2 Terminals	Metal	On-Off	10
MAY112	SPDT	3 Screws	Metal	On-On	10
MAY113	SP3T	3 Screws	Metal	On-Off-On	10
MAY121	SPST	2 Screws	Metal, Plastic Covered	On-Off	10
MAY122	SPDT	3 Screws	Metal, Plastic Covered	On-On	10
MAY123	SP3T	3 Screws	Metal, Plastic Covered	On-Off-On	10
MAY211	DPST	4 Screws	Metal	On-Off	6
MAY212	DPDT	6 Screws	Metal	On-On	6
MAY212T	DPDT	6 Terminals	Metal	On-On	6
MAY213	DP3T	6 Screws	Metal	On-Off-On	6
MAY213T	DP3T	6 Terminals	Metal	On-Off-On	6
MAY221	DPST	4 Screws	Metal, Plastic Covered	On-Off	6
MAY222	DPDT	6 Screws	Metal, Plastic Covered	On-On	6
MAY222T	DPDT	6 Terminals	Metal, Plastic Covered	On-On	6
MAY223	DP3T	6 Screws	Metal, Plastic Covered	On-Off-On	6

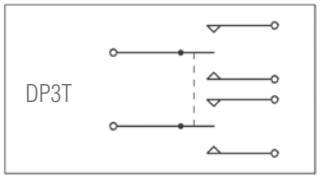













K25001T


K25011V

Medium Voltage Cell Switches

Code	Contact Type	Terminal Type	Box/Pcs
K25001T	2 NC, 1 NO	6 Terminals	10
K25001V	2 NC, 1 NO	6 Screws	10
K25011T	1 NC, 2 NO	6 Terminals	10
K25011V	1 NC, 2 NO	6 Screws	10


A12B1H10


A12B1K11


A12B1S11


A12W1K11


A14B1K11


A14B1HX0


A21B1H10


A21B1S11


A20B1K01

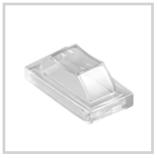

A44B9HX1


A54B1Y11


A71B1K11


A71B1Y11


A71B1S11


EK1


EK2


PTM110


PTE110


PHE110


PHTE124

Illuminated Rocker Switch

Code	Housing Type	Housing-Colour	Feature	Contact Type	Plate	Button Colour	Cable Connection	Box/Pcs
A12B1H10	30*22mm	Black	WO/Illumination	1NO + 1NO	0-1	H	Terminal	50
A12B1K11	30*22mm	Black	W/Illumination	1NO + 1NO	0-1	K	Terminal	50
A12B1S11	30*22mm	Black	W/Illumination	1NO + 1NO	0-1	S	Terminal	50
A12B1Y11	30*22mm	Black	W/Illumination	1NO + 1NO	0-1	Y	Terminal	50
A12B5H10	30*22mm	Black	WO/Illumination	1NO + 1NO	0-1	H	Bridge	50
A12B5K11	30*22mm	Black	W/Illumination	1NO + 1NO	0-1	K	Bridge	50
A12B5S11	30*22mm	Black	W/Illumination	1NO + 1NO	0-1	S	Bridge	50
A12B5Y11	30*22mm	Black	W/Illumination	1NO + 1NO	0-1	Y	Bridge	50
A12W1H10	30*22mm	White	WO/Illumination	1NO + 1NO	0-1	H	Terminal	50
A12W1K11	30*22mm	White	W/Illumination	1NO + 1NO	0-1	K	Terminal	50
A12W1S11	30*22mm	White	W/Illumination	1NO + 1NO	0-1	S	Terminal	50
A12W1Y11	30*22mm	White	W/Illumination	1NO + 1NO	0-1	Y	Terminal	50
A14B1H10	30*22mm	Black	WO/Illumination	2NO	0-1	H	Terminal	50
A14B1HX0	30*22 mm	Black	WO/Illumination	2NO	-	H	Terminal	50
A14B1K11	30*22mm	Black	W/Illumination	2NO	0-1	K	Terminal	50
A14B1S11	30*22mm	Black	W/Illumination	2NO	0-1	S	Terminal	50
A14B1Y11	30*22mm	Black	W/Illumination	2NO	0-1	Y	Terminal	50
A14B5H10	30*22mm	Black	WO/Illumination	2NO	0-1	H	Bridge	50
A14B5K11	30*22mm	Black	W/Illumination	2NO	0-1	K	Bridge	50
A14B5S11	30*22mm	Black	W/Illumination	2NO	0-1	S	Bridge	50
A14B5Y11	30*22mm	Black	W/Illumination	2NO	0-1	Y	Bridge	50
A14B6H10	30*22mm	Black	WO/Illumination	2NO	0-1	H	Protected Screw	50
A14B6K11	30*22mm	Black	W/Illumination	2NO	0-1	K	Protected Screw	50
A14B6S11	30*22mm	Black	W/Illumination	2NO	0-1	S	Protected Screw	50
A14B6Y11	30*22mm	Black	W/Illumination	2NO	0-1	Y	Protected Screw	50
A14W1K11	30*22mm	White	W/Illumination	2NO	0-1	K	Terminal	50
A14W1S11	30*22mm	White	W/Illumination	2NO	0-1	S	Terminal	50
A14W1Y11	30*22mm	White	W/Illumination	2NO	0-1	Y	Terminal	50
A14W1BP1K	30*22 mm	White	W/Illumination/ Lens	2NO	0-1	B	Terminal	50
A20B1K01	30*11mm	Black	W/Illumination	Signal		K	Terminal	50
A20B1S01	30*11mm	Black	W/Illumination	Signal		S	Terminal	50
A20B1Y01	30*11mm	Black	W/Illumination	Signal		Y	Terminal	50
A21B1H10	30*11mm	Black	WO/Illumination	1NO	0-1	H	Terminal	50
A21B1K11	30*11mm	Black	W/Illumination	1NO	0-1	K	Terminal	50
A21B1S11	30*11mm	Black	W/Illumination	1NO	0-1	S	Terminal	50
A21B1Y11	30*11mm	Black	W/Illumination	1NO	0-1	Y	Terminal	50
A21W1K11	30*11mm	White	W/Illumination	1NO	0-1	K	Terminal	50
A21W1S11	30*11mm	White	W/Illumination	1NO	0-1	S	Terminal	50
A21W1Y11	30*11mm	White	W/Illumination	1NO	0-1	Y	Terminal	50
A44B1HX1	20*13 mm	Black	W/Illumination	2NO		-	Terminal	50
A44B9HX1	20*13 mm	Black	W/Illumination	2NO		-	Terminal + Protected Screw	50
A54B1H10*	30*22mm	Black	WO/Illumination IP65	2NO	0-1	H	Terminal	50
A54B1K11*	30*22mm	Black	W/Illumination IP65	2NO	0-1	K	Terminal	50
A54B1S11*	30*22mm	Black	W/Illumination IP65	2NO	0-1	S	Terminal	50
A54B1Y11*	30*22mm	Black	W/Illumination IP65	2NO	0-1	Y	Terminal	50
A54G1K16	30*22mm	Grey	W/Illumination IP65	2NO	0-1	K	Terminal	50
A54G1S16	30*22mm	Grey	W/Illumination IP65	2NO	0-1	S	Terminal	50
A54G1Y16	30*22mm	Grey	W/Illumination IP65	2NO	0-1	Y	Terminal	50
A71B1H10	Dia 22mm	Black	WO/Illumination	1NO	0-1	H	Terminal	50
A71B1K11	Dia 22mm	Black	W/Illumination	1NO	0-1	K	Terminal	50
A71B1S11	Dia 22mm	Black	W/Illumination	1NO	0-1	S	Terminal	50
A71B1Y11	Dia 22mm	Black	W/Illumination	1NO	0-1	Y	Terminal	50

* When 25A is requested instead of 16A, 25 should be written instead of *. ** Illuminated products are 220V AC.

Code	Type	Box/Pcs
EK1	Silicon Cover, Slim	100
EK2	SiliconCover, Wide	100

Panel Thermostats

Code	Operation	Feature & Type	Contact	Box/Pcs
PTM110	Mechanical	Thermostat(Panel Type)	NC (Heating-Red)	1
PTM111	Mechanical	Thermostat(Panel Type)	NO (Cooling-Blue)	1
PTM122	Mechanical	Thermostat(Panel Type)	NC (Heating-Red)+NO (Cooling-Blue)	1
PTE110	Electronic	Thermostat(Panel Type)	NC	1
PTE111	Electronic	Thermostat(Panel Type)	NO	1
PHTE124	Analogue (Digital Sensor Included)	Thermostat + Hygrostat (Panel Type)	1 CO	1
PHE110	Electronic	Hygrostat(Panel Type)	NC	1
PHE111	Electronic	Hygrostat(Panel Type)	NO	1