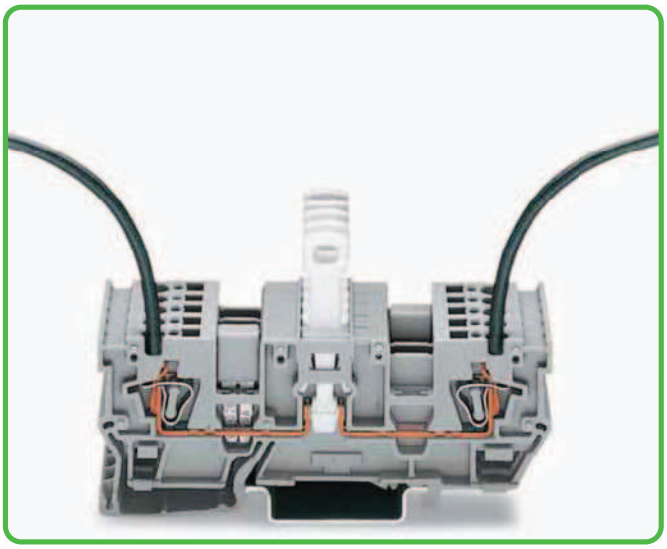
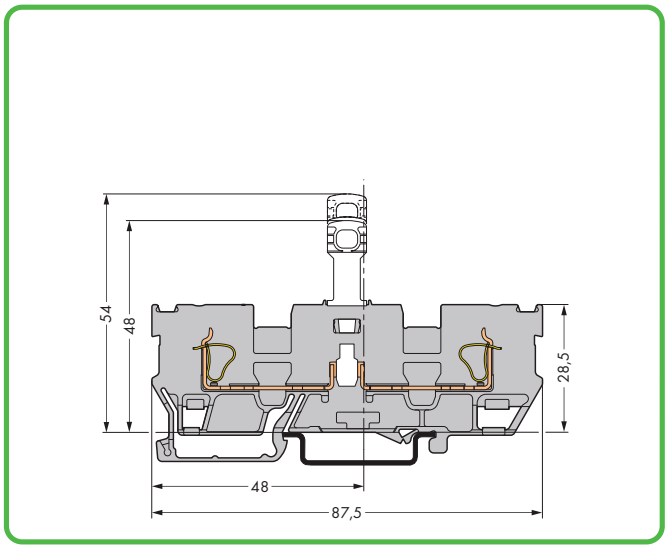


Commoning carrier terminal blocks via 280 and 780 Series jumpers and testing using 280-4.. test plug adapter.



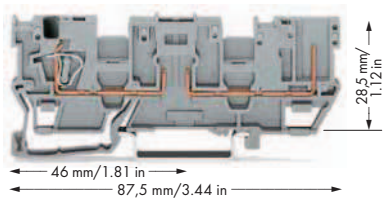
Disconnect carrier terminal block

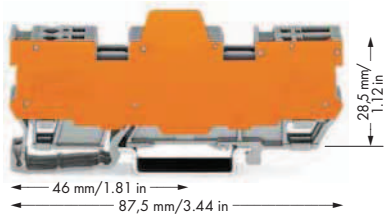
X-COM®-SYSTEM
1-Conductor/1-Pin Carrier Terminal Blocks and Carrier Terminal Blocks for Pluggable Modules (Fuses, Relays, Optocouplers, etc.)

CAGE CLAMP®

0.08 - 4 mm²	AWG 28 - 12
400 V/6 kV/3 ❶	600 V, 20 A
I_N 16 A ❷	300 V, 20 A
Terminal block width 5 mm / 0.197 in	
8 - 9 mm / 0.33 in ❸	

0.08 - 4 mm²	AWG 28 - 12
400 V/6 kV/3 ❶	600 V, 20 A
I_N 16 A ❷	300 V, 20 A
8 - 9 mm / 0.33 in ❸	





❶ 400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❷ 16 A, 85 °C upper temperature limit (see current-carrying capacity curve at www.wago.com)

❸ Strip length, see packaging or instructions.

❹ See application notes for:
Test plug modules, page 196
Insulation stop, page 199
Staggered jumper, page 201
Push-in type wire jumper, page 201

❺ Note: 2-conductor female plug is not suitable.

	Item No.	Pack. Unit
1-conductor/1-pin carrier terminal block with 2 jumper positions, for DIN 35 rail, acc. to EN 60715, gray		
2-pole	**769-181**	50

	Item No.	Pack. Unit
1-conductor/1-pin carrier terminal block with 2 jumper positions and with orange separator plate, for DIN 35 rail, acc. to EN 60715, gray		
4-pole, 11.1 mm wide	**769-182/769-314**	10
6-pole, 16.1 mm wide	**769-183/769-314**	5
8-pole, 21.1 mm wide	**769-184/769-314**	5
10-pole, 26.1 mm wide	**769-185/769-314**	5

Accessories

Test plug,

with 500 mm cable, 2 mm Ø, red **210-136** 50

Test plug,

with 500 mm cable, 2.3 mm Ø, yellow **210-137** 50

Test plug adapter, 5 mm wide,

for terminal blocks 1.5 - 4 mm², for 210-137 test plug 2.3 mm Ø, gray **280-404** 100 (4x25)

1-conductor female plug, ❺

straight, gray **769-101** 200

769 Series Accessories

Appropriate marking system:
Miniature WSB (see Section 13)

End and intermediate plate, 1.1 mm thick


orange	**769-312**	100 (4x25)
gray	**769-311**	100 (4x25)

Separator, oversized, 1.1 mm thick


orange	**769-314**	100 (4x25)

Insulation stop, ❹


5 pcs/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"), white	**769-470**	200 (8x25)

Insulation stop, ❹


5 pcs/strip, 0.25 - 0.5 mm², light gray	**769-471**	200 (8x25)

Insulation stop, ❹


5 pcs/strip, 0.75 - 1 mm², dark gray	**769-472**	200 (8x25)

Coding pin,


for coding female plugs, orange	**769-435**	100 (4x25)

Adjacent jumper, insulated,


I_N = I_N terminal block, gray	**280-402**	200 (8x25)

Alternate jumper, insulated,


I_N = I_N terminal block, gray	**280-409**	100 (4x25)

Staggered jumper, ❹


insulated, width 5 mm/0.197 in, I_N 24 A		
from 1 to 2	**780-452**	100 (4x25)
from 1 to 3	**780-453**	100 (4x25)
from 1 to 4	**780-454**	100 (4x25)
from 1 to 5	**780-455**	50 (2x25)
from 1 to 6	**780-456**	50 (2x25)
from 1 to 7	**780-457**	50 (2x25)
from 1 to 8	**780-458**	50 (2x25)

Push-in type wire jumper, ❹


insulated, I_N 9 A, wire size 0.75 mm²		
L = 60 mm	**249-125**	10
L = 110 mm	**249-126**	10
L = 250 mm	**249-127**	10

Protective warning marker,


with high-voltage symbol, black, for 5 terminal blocks, yellow	**280-415**	100 (4x25)

Test plug module, ❹

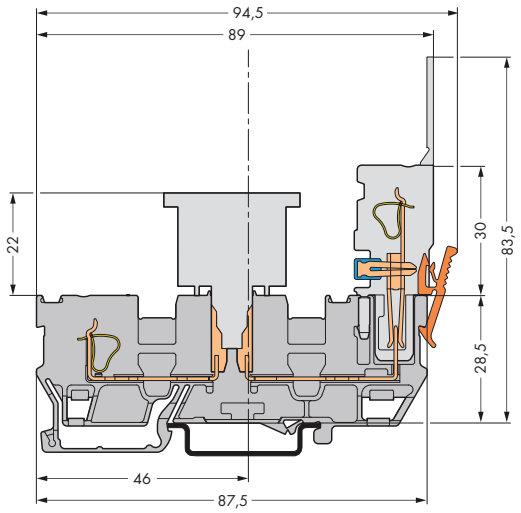

can be snapped together, 5 mm wide, gray	**280-418**	100 (4x25)

Spacer module,

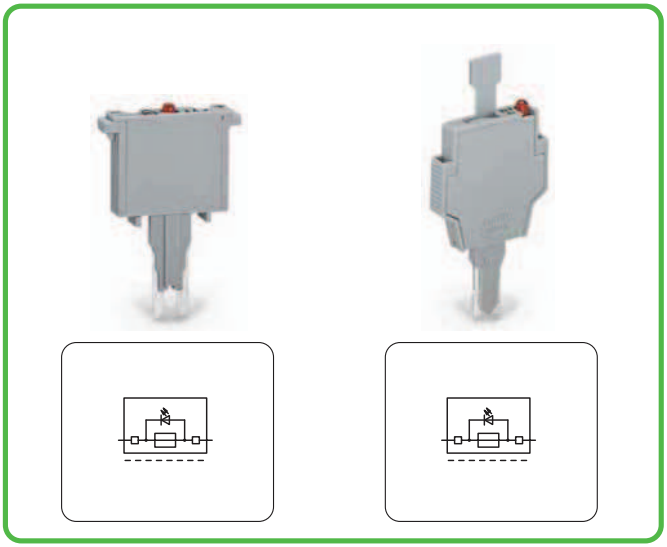

can be snapped together, 5 mm wide, gray	**280-419**	100 (4x25)

For list of approvals and user guide, see pages 634 to 637.

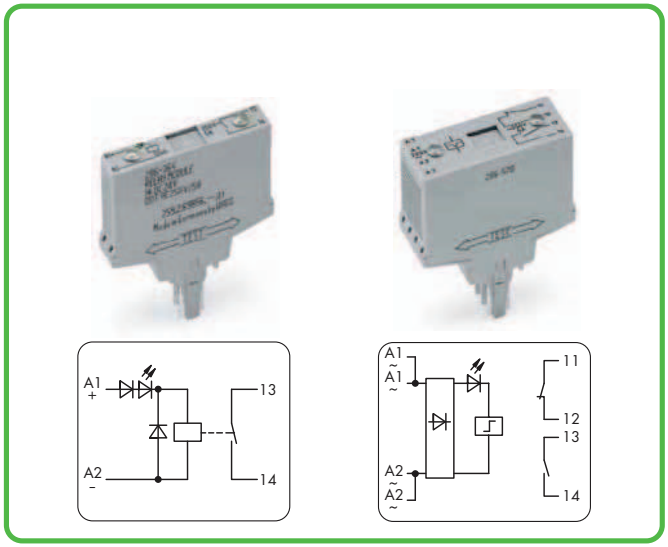
Types of Assembly with 1-Conductor Female Plugs and Selection of Pluggable Modules



Carrier terminal block



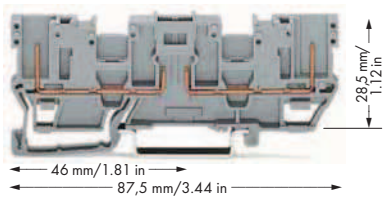
Also see page 350.

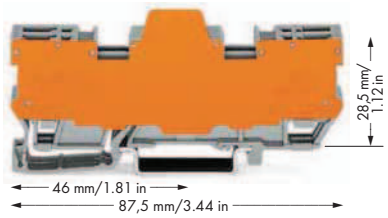


Also see page 351.

X-COM®-SYSTEM
2-Pin Carrier Terminal Blocks and Carrier Terminal Blocks for Pluggable Modules (Fuses, Relays, Optocouplers, etc.)

400 V/6 kV/3 ❶ | 300 V, 20 A I_N 16 A ❷ | 300 V, 20 A **Terminal block width 5 mm / 0.197 in**	400 V/6 kV/3 ❶ | 300 V, 20 A I_N 16 A ❷ | 300 V, 20 A





❶ 400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❷ 16 A, 85 °C upper temperature limit (see current-carrying capacity curve at www.wago.com)

❸ See application notes for:
Staggered jumper, page 201
Push-in type wire jumper, page 201

❹ Note: 2-conductor female plug is not suitable.

	Item No.	Pack. Unit
2-pin carrier terminal block with 2 jumper positions, for DIN 35 rail, acc. to EN 60715, gray		
◯ 2-pole	**769-161**	50

	Item No.	Pack. Unit
2-pin carrier terminal block with 2 jumper positions and with orange separator plate, for DIN 35 rail, acc. to EN 60715, gray		
◯ 4-pole, 11.1 mm wide	**769-162/769-313**	10
◯ 6-pole, 16.1 mm wide	**769-163/769-313**	5
◯ 8-pole, 21.1 mm wide	**769-164/769-313**	5
◯ 10-pole, 26.1 mm wide	**769-165/769-313**	5

Accessories

Miniature WSB Quick marking system, plain,



10 strips with 10 markers per card, 5 mm wide markers

yellow	**248-501/000-002**	
red	**248-501/000-005**	
blue	**248-501/000-006**	
gray	**248-501/000-007**	
orange	**248-501/000-012**	
light green	**248-501/000-017**	
green	**248-501/000-023**	
violet	**248-501/000-024**	
		5

769 Series Accessories

Appropriate marking system:
Miniature WSB (see Section 13)

End and intermediate plate, 1.1 mm thick



orange	**769-310**	100 (4x25)
gray	**769-309**	100 (4x25)

Separator, oversized, 1.1 mm thick



orange	**769-313**	100 (4x25)

Adjacent jumper, insulated,



I_N = I_N terminal block

gray	**280-402**	200 (8x25)

Alternate jumper, insulated,



I_N = I_N terminal block

gray	**280-409**	100 (4x25)

Staggered jumper, ❸



insulated,
width 5 mm/0.197 in,
I_N 24 A

from 1 to 2	**780-452**	100 (4x25)
from 1 to 3	**780-453**	100 (4x25)
from 1 to 4	**780-454**	100 (4x25)
from 1 to 5	**780-455**	50 (2x25)
from 1 to 6	**780-456**	50 (2x25)
from 1 to 7	**780-457**	50 (2x25)
from 1 to 8	**780-458**	50 (2x25)

Coding pin,



for coding female plugs

orange	**769-435**	100 (4x25)

Push-in type wire jumper, ❸



insulated,
I_N 9 A,
wire size 0.75 mm²

L = 60 mm	**249-125**	10
L = 110 mm	**249-126**	10
L = 250 mm	**249-127**	10

Test plug,



with 500 mm cable,
2.3 mm Ø

yellow	**210-137**	50

1-conductor female plug, ❹



straight

gray	**769-101**	200

1-conductor female plug,



angled

gray	**769-101/022-000**	200

Screwless end stop,



for DIN 35 rail,
6 mm wide

gray	**249-116**	100 (4x25)

Screwless end stop,



for DIN 35 rail,
10 mm wide

gray	**249-117**	50 (2x25)

Miniature WSB Quick marking system,

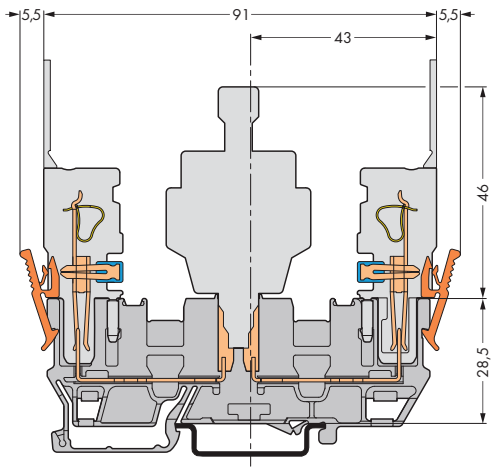


10 strips with 10 markers per card,
5 mm wide markers

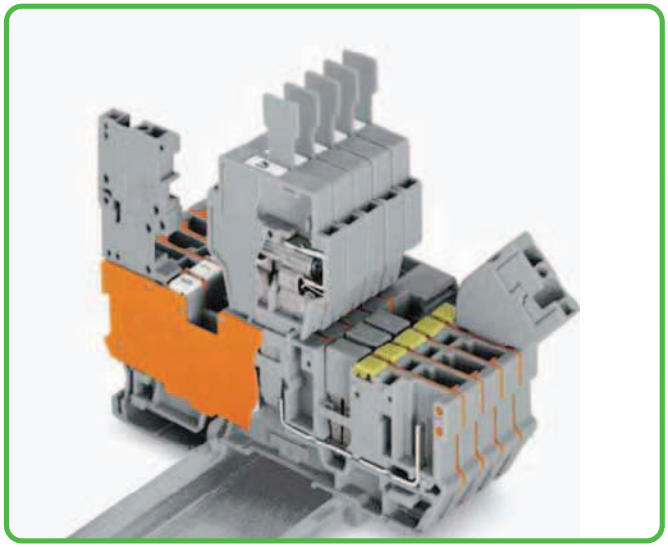
plain	**248-501**	5

For list of approvals and user guide, see pages 634 to 637.

Types of Assembly with 1-Conductor Female Plugs and Selection of Pluggable Modules

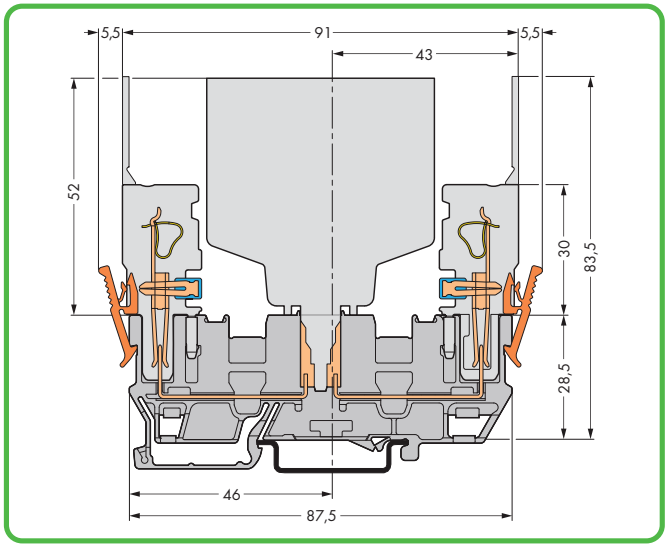


Carrier terminal block

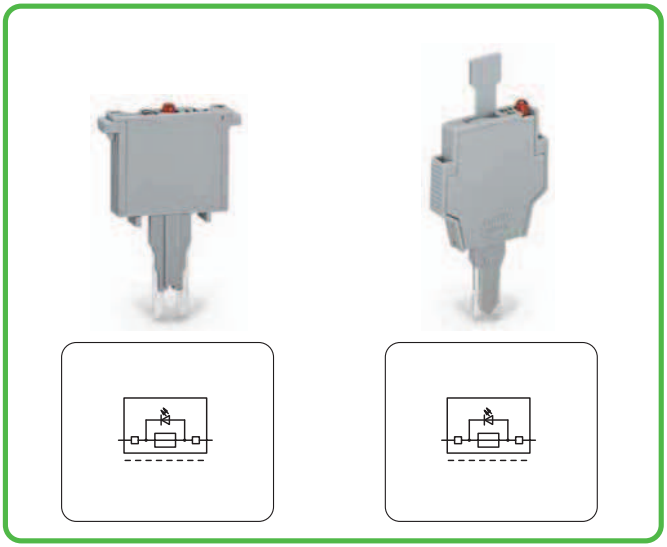


With 6mm-wide fuse plugs, only 1-pole female plugs can be used.
Commoning is only possible using 280 Series adjacent jumpers and wire jumpers.

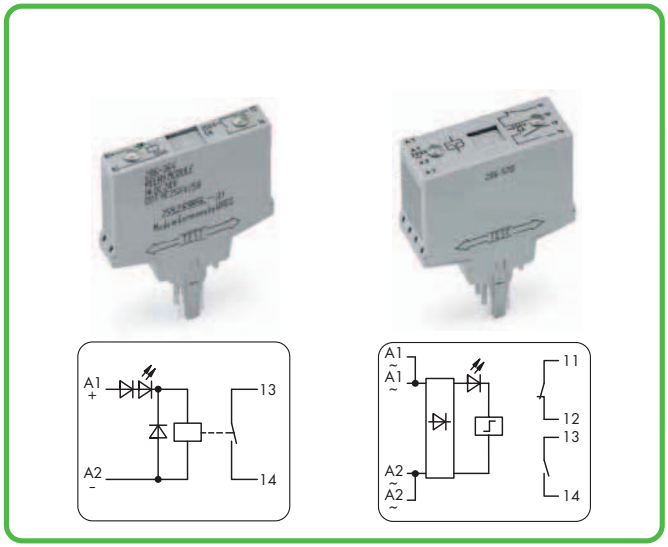




Carrier terminal block
For dimensions, also see page 328.



Also see page 350.



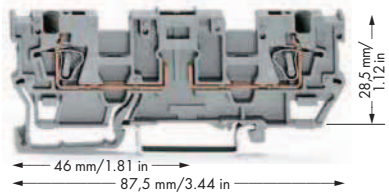
Also see page 351.

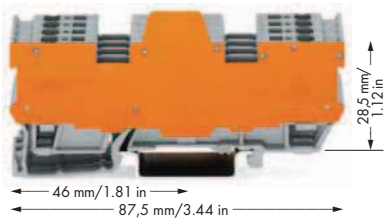
X-COM®-SYSTEM
1-Conductor/1-Conductor Carrier Terminal Blocks and Carrier Terminal Blocks for Pluggable Modules (Fuses, Relays, Optocouplers, etc.)

CAGE CLAMP®

0.08 - 4 mm²	AWG 28 - 12
400 V/6 kV/3 ❶	600 V, 20 A
I_N 16 A ❷	300 V, 20 A
Terminal block width 5 mm / 0.197 in	
8 - 9 mm / 0.33 in ❸	

0.08 - 4 mm²	AWG 28 - 12
400 V/6 kV/3 ❶	300 V, 20 A
I_N 16 A ❷	300 V, 20 A
8 - 9 mm / 0.33 in ❸	





❶ 400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❷ 16 A, 85 °C upper temperature limit (see current-carrying capacity curve at www.wago.com)

❸ Strip length, see packaging or instructions.

❹ See application notes for:
Insulation stop, page 199
Staggered jumper, page 201
Push-in type wire jumper, page 201

	Item No.	Pack. Unit
1-conductor/1-conductor carrier terminal block with 2 jumper positions, for DIN 35 rail, acc. to EN 60715, gray		
◯ 2-pole	**769-191**	50

	Item No.	Pack. Unit
1-conductor/1-conductor carrier terminal block with 2 jumper positions and with orange separator plate, for DIN 35 rail, acc. to EN 60715, gray		
◯ 4-pole, 11.1 mm wide	**769-192/769-319**	10
◯ 6-pole, 16.1 mm wide	**769-193/769-319**	5
◯ 8-pole, 21.1 mm wide	**769-194/769-319**	5
◯ 10-pole, 26.1 mm wide	**769-195/769-319**	5

Accessories

Miniature WSB Quick marking system, plain,



10 strips with 10 markers per card, 5 mm wide markers

yellow	**248-501/000-002**	
red	**248-501/000-005**	
blue	**248-501/000-006**	
gray	**248-501/000-007**	
orange	**248-501/000-012**	
light green	**248-501/000-017**	
green	**248-501/000-023**	
violet	**248-501/000-024**	
		5

769 Series Accessories

Appropriate marking system:
Miniature WSB (see Section 13)

End and intermediate plate, 1.1 mm thick



orange	**769-318**	100 (4x25)
gray	**769-317**	100 (4x25)

Seperator plate, oversized, 1.1 mm thick



orange	**769-319**	100 (4x25)

Insulation stop, ❹



5 pcs/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st")

white	**769-470**	200 (8x25)

Insulation stop, ❹



5 pcs/strip, 0.25 - 0.5 mm²

light gray	**769-471**	200 (8x25)

Insulation stop, ❹



5 pcs/strip, 0.75 - 1 mm²

dark gray	**769-472**	200 (8x25)

Protective warning marker,



with high-voltage symbol, black, for 5 terminal blocks

yellow	**280-415**	100 (4x25)

Adjacent jumper, insulated,



I_N = I_N terminal block

gray	**280-402**	200 (8x25)

Alternate jumper, insulated,



I_N = I_N terminal block

gray	**280-409**	100 (4x25)

Staggered jumper, ❹



insulated, width 5 mm/0.197 in, I_N 24 A

from 1 to 2	**780-452**	100 (4x25)
from 1 to 3	**780-453**	100 (4x25)
from 1 to 4	**780-454**	100 (4x25)
from 1 to 5	**780-455**	50 (2x25)
from 1 to 6	**780-456**	50 (2x25)
from 1 to 7	**780-457**	50 (2x25)
from 1 to 8	**780-458**	50 (2x25)

Push-in type wire jumper, ❹



insulated, I_N 9 A, wire size 0.75 mm²

L = 60 mm	**249-125**	10
L = 110 mm	**249-126**	10
L = 250 mm	**249-127**	10

Test plug,



with 500 mm cable, 2 mm Ø

red	**210-136**	50

Test plug,



with 500 mm cable, 2.3 mm Ø

yellow	**210-137**	50

Miniature WSB Quick marking system,



10 strips with 10 markers per card, 5 mm wide markers

plain	**248-501**	5

Screwless end stop,



for DIN 35 rail, 6 mm wide

gray	**249-116**	100 (4x25)

Screwless end stop,



for DIN 35 rail, 10 mm wide

gray	**249-117**	50 (2x25)

For list of approvals and user guide, see pages 634 to 637.