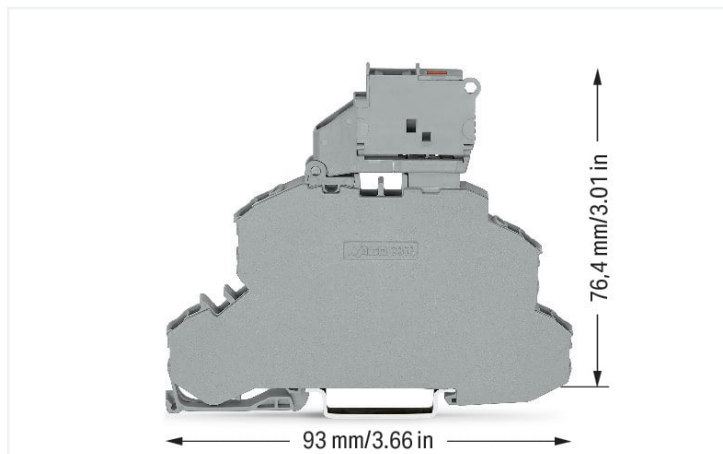# Data Sheet | Item Number: 2002-2611/1000-836

Double-deck fuse terminal block; with pivoting fuse holder; Through/Fuse terminal block; for 5 x 20 mm miniature metric fuse; with blown fuse indication by LED; 230 V; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray

https://www.wago.com/2002-2611/1000-836

WAGO

Color: ■ gray

76,4 mm/3.01 in

93 mm/3.66 in

Similar to illustration
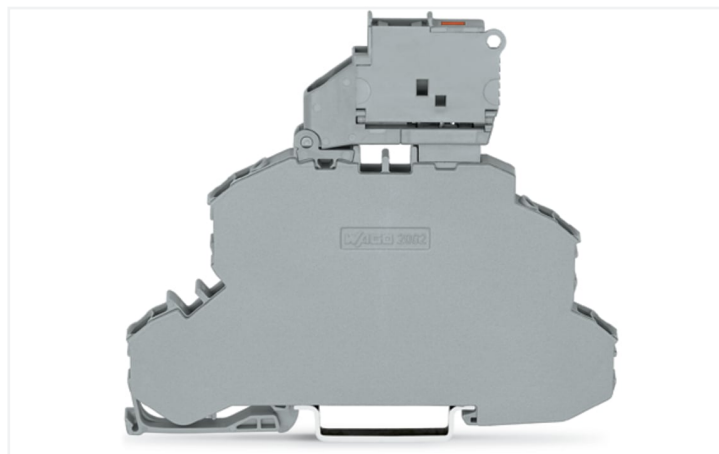
Similar to illustration

Electrical data

Ratings per	IEC/EN 60947-7-3		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	6.3 A	-	-

Ratings per IEC/EN – Notes	
Ratings (note)	Electrical ratings are given by the fuse and blown fuse indication.
Rated current (note)	Leakage current in case of a blown fuse: LED 2 mA

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	230 V	230 V	-
Rated current	6.3 A	6.3 A	-

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	230 V	230 V	-
Rated current	6.3 A	6.3 A	-

Ex information	
Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A

Power Loss	
Power loss P_l max. overload and short-circuit protection (individual arrangement)	1.6 W
Power loss P_l max. overload and short-circuit protection (group arrangement)	1.6 W
Power loss P_l max. short-circuit protection (individual arrangement)	2.5 W
Power loss P_l max. short-circuit protection (group arrangement)	2.5 W

General information

Fuse receptacle	pivoting
Fuse type	Cylindrical fuse; 5 x 20 mm

Version 20.11.2024

Connection data

Connection data	
Clamping units	4
Total number of potentials	2
Number of levels	2
Number of jumper slots	4

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Wiring direction	Front-entry wiring

Physical data

Physical data	
Width	6.2 mm / 0.244 inches
Height	93 mm / 3.661 inches
Depth from upper-edge of DIN-rail	76.4 mm / 3.008 inches

Mechanical data

Mechanical data	
Potential marking	L/L
Mounting type	DIN-35 rail
Marking level	Center/side marking

Material data

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.495 MJ
Weight	23 g

Environmental requirements

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Environmental Testing (Environmental Conditions)	
Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard
Frequency	f_1 = 5 Hz to f_2 = 150 Hz f_1 = 5 Hz to f_2 = 150 Hz

Environmental Testing (Environmental Conditions)

Acceleration	0.101g (highest test level used for all axes)
	0.572g (highest test level used for all axes)
	5g (highest test level used for all axes)
Test duration per axis	10 min.
	5 h
Test directions	X, Y and Z axes
	X, Y and Z axes
	X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Extended test scope: Monitoring for contact faults/interruptions	Passed
	Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed
	Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Vibration and shock stress for rolling stock equipment	Passed

Commercial data

Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-16
eCl@ss 9.0	27-14-11-16
ETIM 9.0	EC000899
ETIM 8.0	EC000899
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821272090
Customs tariff number	85369095000

Environmental Product Compliance

CAS-No.	1303-86-2
	1317-36-8
	7439-92-1
REACH Candidate List Substance	Diboron trioxide
	Lead
	Lead monoxide
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
	7(a)
	7(c)-I
	7(c)-II
SCIP notification number (Austria)	91a678a4-c85d-4e59-b043-cd3e514bac5c
SCIP notification number (Belgium)	485eee52-196b-4dc9-a7a8-493a511bc5b5
SCIP notification number (Bulgaria)	f78c28de-1c02-4c8a-8beb-a42a71c5c737
SCIP notification number (Czech Republic)	cf1de794-8cc4-4a50-8add-dba9b778ebbd
SCIP notification number (Denmark)	7ff20157-148a-4325-b74c-c0a695ce7239
SCIP notification number (Finland)	b274d750-3ebf-4142-99bf-286c39cfe997
SCIP notification number (France)	e3e9d56d-6895-445d-b4e8-202343d87967
SCIP notification number (Germany)	a1fa8ff3-5760-4eb7-b998-3d3baf6ab0e6
SCIP notification number (Hungary)	09ccf709-4b32-492c-8e6e-839cb6f30731

Environmental Product Compliance

SCIP notification number (Italy)	6a548663-f5ab-4c2a-af06-990459c1fa64
SCIP notification number (Netherlands)	01a312d0-c89f-4985-8963-a32ed1acc226
SCIP notification number (Poland)	c84bc661-eb8f-4a16-8408-d03ec3c297b0
SCIP notification number (Romania)	0ce7a547-0dc3-49c5-9bb4-578d5afa4557
SCIP notification number (Sweden)	fa80b9a7-be62-4a3b-9c6e-a9ac1a5d4a5d

Approvals / Certificates

General approvals

CCA KEMA KEUR cRUus

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7941
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-124163
UL Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

RAILWAY READY

Approval	Standard	Certificate Name
ATEX-Attestation of Conformity WAGO GmbH & Co. KG	-	-
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
Railway WAGO GmbH & Co. KG	-	Railway Ready
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

ABS DNV

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

Approvals for hazardous areas

AEx PTB 0102 Ex ec IIC Gc II 3 G IECEx

Approval	Standard	Certificate Name
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
ATEX KIWA Netherlands B.V.	EN 60079	KIWA 17ATEX0030 U
CCC CNEX	GB/T 3836.3	2020312313000180 (Ex ec IIC Gc)
IECEx KIWA Netherlands B.V.	EN 60079	IECEx KIWA 17.0014U (Ex ec IIC Gc)

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2002-2611/1000-836	↓

Documentation

Additional Information

Technical Section	pdf 2246.92 KB	↓

Bid Text

2002-2611/1000-836	18.04.2019	xml 4.31 KB	↓
2002-2611/1000-836	18.04.2019	docx 15.47 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 2002-2611/1000-836	↓

CAE data

EPLAN Data Portal 2002-2611/1000-836	↓
WSCAD Universe 2002-2611/1000-836	↓
ZUKEN Portal 2002-2611/1000-836	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 Mounting accessories

Item No.: 210-196
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

Item No.: 210-198
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

Item No.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

Item No.: 210-197
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored

Item No.: 210-506
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

Item No.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; similar to EN 60715; silver-colored

Item No.: 210-118
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

Item No.: 210-115
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored

Item No.: 210-112
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

Item No.: 210-504
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

Item No.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

Item No.: 210-505
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

1.1.2 End plate

1.1.2.1 End plate

Item No.: 2002-1091
End plate for fuse terminal blocks; 2 mm thick; gray

Item No.: 2002-1092
End plate for fuse terminal blocks; 2 mm thick; orange

Item No.: 209-192
Separator for Ex e/Ex i applications; 3 mm thick; 125.5 mm wide; orange

1.1.3 Ferrule

1.1.3.1 Ferrule

Item No.: 216-241
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

Item No.: 216-242
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-262
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-243
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-263
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-244
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

Item No.: 216-264
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

Item No.: 216-246
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

Item No.: 216-266
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

1.1.4 Installation

1.1.4.1 Cover

Item No.: 709-156
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.1.4.2 Cover carrier

Item No.: 709-169
Cover carrier; Type 3; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.1.5 Insulation stop

1.1.5.1 Insulation stop

Item No.: 2002-171
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

Item No.: 2002-172
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.1.6 Jumper

1.1.6.1 Jumper

Item No.: 2004-406/020-000
Delta jumper; insulated; light gray

Item No.: 2004-410
Jumper; 10-way; insulated; light gray

Item No.: 2004-402
Jumper; 2-way; insulated; light gray

Item No.: 2004-403
Jumper; 3-way; insulated; light gray

Item No.: 2004-404
Jumper; 4-way; insulated; light gray

Item No.: 2004-405
Jumper; 5-way; insulated; light gray

Item No.: 2004-406
Jumper; 6-way; insulated; light gray

Item No.: 2004-407
Jumper; 7-way; insulated; light gray

Item No.: 2004-408
Jumper; 8-way; insulated; light gray

Item No.: 2004-409
Jumper; 9-way; insulated; light gray

Item No.: 2004-440
Jumper; from 1 to 10; insulated; light gray

Item No.: 2004-433
Jumper; from 1 to 3; insulated; light gray

Item No.: 2004-434
Jumper; from 1 to 4; insulated; light gray

Item No.: 2004-435
Jumper; from 1 to 5; insulated; light gray

Item No.: 2004-436
Jumper; from 1 to 6; insulated; light gray

Item No.: 2004-437
Jumper; from 1 to 7; insulated; light gray

Item No.: 2004-438
Jumper; from 1 to 8; insulated; light gray

Item No.: 2004-439
Jumper; from 1 to 9; insulated; light gray

Item No.: 2004-405/011-000
Star point jumper; 3-way; insulated; light gray

Item No.: 2002-492
Vertical jumper; insulated; light gray

Item No.: 2002-492/000-012
Vertical jumper; insulated; orange

Item No.: 210-103
Wire commoning chain; insulated; black

Item No.: 210-123
Wire commoning chain; insulated; blue

1.1.7 Locking system

1.1.7.1 Locking system

Item No.: 210-254
Interlocking link; mechanically locks multiple links; 1 m long; transparent

1.1.8 Marking

1.1.8.1 Marker

Item No.: 2009-145/000-006
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item No.: 2009-145/000-007
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item No.: 2009-145/000-023
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item No.: 2009-145/000-012
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 2009-145/000-005
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item No.: 2009-145/000-024
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item No.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 2009-145/000-002
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

Item No.: 248-501/000-006
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

Item No.: 248-501/000-007
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

Item No.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

Item No.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

1.1.8.1 Marker

Item No.: 248-501/000-012
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

Item No.: 248-501/000-005
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

Item No.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 248-501/000-002
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

Item No.: 793-5501/000-006
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item No.: 793-5501/000-014
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown

Item No.: 793-5501/000-007
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item No.: 793-5501/000-023
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item No.: 793-5501/000-017
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green

Item No.: 793-5501/000-012
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 793-5501/000-005
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item No.: 793-5501/000-024
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item No.: 793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 793-5501/000-002
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

Item No.: 2009-115/000-006
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item No.: 2009-115/000-007
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item No.: 2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item No.: 2009-115/000-017
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green

Item No.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 2009-115/000-005
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item No.: 2009-115/000-024
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 2009-115/000-002
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.1.8.2 Marking strip

Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.9 Protective warning marker

1.1.9.1 Cover

Item No.: 2002-115
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.1.10 Screwless end stop

1.1.10.1 Mounting accessories

Item No.: 249-117
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Item No.: 249-116
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.11 Test and measurement

1.1.11.1 Testing accessories

Item No.: 2002-611
TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm²; gray

1.1.12 Tool

1.1.12.1 Operating tool

Item No.: 210-658
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured

Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Commoning
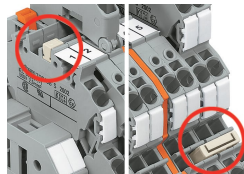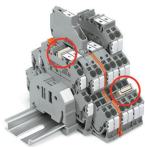
The same profile allows for commoning with TOPJOB® S double-deck terminal blocks (upper deck) and with triple-deck terminal blocks (lower deck).

Left picture – Vertical jumper (Item No. 2002-492)
Right picture – Push-in type jumper bar (2002 Series)
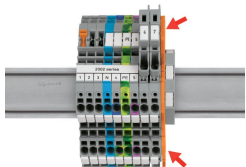
Additionally, an end plate for fuse terminal blocks (e.g., 2002-1092, orange) must be used at the end of an assembly or if there is no adjacent fuse terminal block.
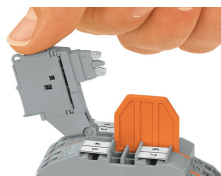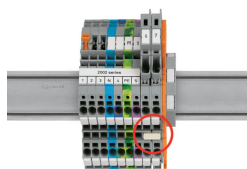
Double-deck fuse disconnect terminal blocks with a pivoting fuse holder (2002-2611, gray) are compatible with disconnect, carrier, through and ground conductor terminal blocks. The fuse holder is also available with a blown fuse LED indicator (e.g., 2002-2611/1000-541 for 12–30 V).
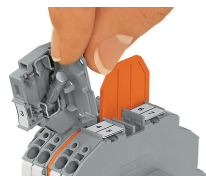
An end plate for fuse disconnect terminal blocks (shown in orange, 2002-1092) is used for additional protection, preventing the fuse holder from being opened. The fuse cannot be replaced until disconnecting the fuse holder from the power supply.
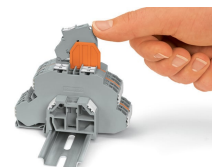
Pivot the fuse holder into the open position.

An intermediate plate is supplied with all 6.2 mm wide fused disconnect terminal blocks.

Due to the 6.2 mm width of fuse disconnect terminal blocks with a pivoting fuse holder, 2004 Series Push-In Type Jumper Bars must be used.

Subject to changes. Please also observe the further product documentation!