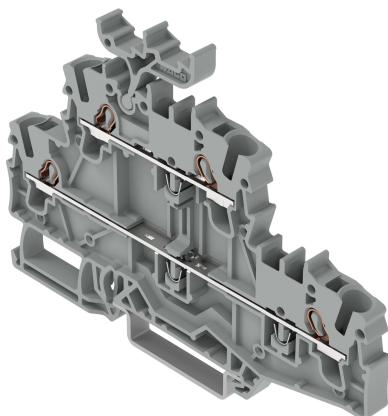
Color: gray

Similar to illustration

Electrical data

Ratings per IEC/EN 60947-7-1		
Overvoltage category	III	III
Pollution degree	3	2
Nominal voltage	800 V	-
Rated surge voltage	8 kV	-
Rated current	24 A	-
Current at conductor cross-section (max.) mm ²	28 A	-

Approvals per UL 1059		
Use group	B	C
Rated voltage	600 V	600 V
Rated current	20 A	20 A

Approvals per CSA 22.2 No 158		
Use group	B	C
Rated voltage	600 V	600 V
Rated current	24 A	24 A

Ex information		
Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"	
Ratings per	ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)	
Rated voltage EN (Ex e II)	550 V	
Rated current (Ex e II)	17.5 A	
Rated current (Ex e II) with jumper	17 A	

Power Loss

Power loss, per pole (potential)	0.7661 W
Rated current I_N for specified power loss	24 A
Resistance value for specified, current-dependent power loss	0.00133 Ω

Connection data

Connection points	4	Connection 1	
Total number of potentials	2	Connection technology	Push-in CAGE CLAMP®
Number of levels	2	Number of connection points	2
Number of jumper slots	4	Actuation type	Operating tool
		Connectable conductor materials	Copper
		Nominal cross-section	2.5 mm ²
		Solid conductor	0.25 ... 4 mm ² / 22 ... 12 AWG
		Solid conductor; push-in termination	0.75 ... 4 mm ² / 18 ... 12 AWG
		Fine-stranded conductor	0.25 ... 4 mm ² / 22 ... 12 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm ² / 22 ... 14 AWG
		Fine-stranded conductor; with ferrule; push-in termination	1 ... 2.5 mm ² / 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

Connection 2

Number of connection points 2	2
-------------------------------	---

Physical data

Width	5.2 mm / 0.205 inches
Height	92.5 mm / 3.642 inches
Depth from upper-edge of DIN-rail	51.7 mm / 2.035 inches

Mechanical data

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

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.269 MJ
Weight	12.9 g

Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data

PU (SPU)	50 pcs
Country of origin	DE
GTIN	4066966327113
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7941
CSA DEKRA Certification B.V.	C22.2 No. 158	1536069
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-124163
UL Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 2002-2731



Documentation

Additional Information

Technical Section	pdf 2240.62 KB	
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CAD/CAE-Data

CAD data

2D/3D Models
2002-2731

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

[Item No.: 2002-2791](#)

End plate; 0.8 mm thick; gray

[Item No.: 2002-2792](#)

End plate; 0.8 mm thick; orange

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 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; unslotted; 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

1.2.2 Ferrule

1.2.2.1 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

1.2.2.1 Ferrule



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

1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-156

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.3.2 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

1.2.4 Insulation stop

1.2.4.1 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

1.2.5 Jumper

1.2.5.1 Jumper



Item No.: 2002-400

Continuous jumper; 2-way; insulated; light gray



Item No.: 2002-423/000-006

Continuous jumper; from 1 to 3; insulated; blue



Item No.: 2002-423

Continuous jumper; from 1 to 3; insulated; light gray



Item No.: 2002-423/000-005

Continuous jumper; from 1 to 3; insulated; red



Item No.: 2002-424/000-006

Continuous jumper; from 1 to 4; insulated; blue



Item No.: 2002-424

Continuous jumper; from 1 to 4; insulated; light gray



Item No.: 2002-424/000-005

Continuous jumper; from 1 to 4; insulated; red



Item No.: 2002-406/020-000

Delta jumper; insulated; light gray



Item No.: 2002-410/000-006

Jumper; 10-way; insulated; blue



Item No.: 2002-410

Jumper; 10-way; insulated; light gray



Item No.: 2002-410/000-005

Jumper; 10-way; insulated; red



Item No.: 2002-402/000-006

Jumper; 2-way; insulated; blue



Item No.: 2002-402

Jumper; 2-way; insulated; light gray



Item No.: 2002-402/000-005

Jumper; 2-way; insulated; red



Item No.: 2002-403/000-006

Jumper; 3-way; insulated; blue



Item No.: 2002-403

Jumper; 3-way; insulated; light gray

1.2.5.1 Jumper



[Item No.: 2002-403/000-005](#)
Jumper; 3-way; insulated; red



[Item No.: 2002-404/000-006](#)
Jumper; 4-way; insulated; blue



[Item No.: 2002-404](#)
Jumper; 4-way; insulated; light gray



[Item No.: 2002-404/000-005](#)
Jumper; 4-way; insulated; red



[Item No.: 2002-405/000-006](#)
Jumper; 5-way; insulated; blue



[Item No.: 2002-405](#)
Jumper; 5-way; insulated; light gray



[Item No.: 2002-405/000-005](#)
Jumper; 5-way; insulated; red



[Item No.: 2002-406/000-006](#)
Jumper; 6-way; insulated; blue



[Item No.: 2002-406](#)
Jumper; 6-way; insulated; light gray



[Item No.: 2002-406/000-005](#)
Jumper; 6-way; insulated; red



[Item No.: 2002-407/000-006](#)
Jumper; 7-way; insulated; blue



[Item No.: 2002-407](#)
Jumper; 7-way; insulated; light gray



[Item No.: 2002-407/000-005](#)
Jumper; 7-way; insulated; red



[Item No.: 2002-408/000-006](#)
Jumper; 8-way; insulated; blue



[Item No.: 2002-408](#)
Jumper; 8-way; insulated; light gray



[Item No.: 2002-408/000-005](#)
Jumper; 8-way; insulated; red



[Item No.: 2002-409/000-006](#)
Jumper; 9-way; insulated; blue



[Item No.: 2002-409](#)
Jumper; 9-way; insulated; light gray



[Item No.: 2002-409/000-005](#)
Jumper; 9-way; insulated; red



[Item No.: 2002-440](#)
Jumper; from 1 to 10; insulated; light gray



[Item No.: 2002-433](#)
Jumper; from 1 to 3; insulated; light gray



[Item No.: 2002-434](#)
Jumper; from 1 to 4; insulated; light gray



[Item No.: 2002-435](#)
Jumper; from 1 to 5; insulated; light gray



[Item No.: 2002-436](#)
Jumper; from 1 to 6; insulated; light gray



[Item No.: 2002-437](#)
Jumper; from 1 to 7; insulated; light gray



[Item No.: 2002-438](#)
Jumper; from 1 to 8; insulated; light gray



[Item No.: 2002-439](#)
Jumper; from 1 to 9; insulated; light gray



[Item No.: 2002-480](#)
Staggered jumper; 10-way; insulated; light gray



[Item No.: 2002-481](#)
Staggered jumper; 11-way; insulated; light gray



[Item No.: 2002-482](#)
Staggered jumper; 12-way; insulated; light gray



[Item No.: 2002-473/011-000](#)
Staggered jumper; 2-way; from 1 to 3; insulated; light gray



[Item No.: 2002-472](#)
Staggered jumper; 2-way; insulated; light gray



[Item No.: 2002-473](#)
Staggered jumper; 3-way; insulated; light gray



[Item No.: 2002-475/011-000](#)
Staggered jumper; 3-way; insulated; light gray



[Item No.: 2002-474](#)
Staggered jumper; 4-way; insulated; light gray



[Item No.: 2002-475](#)
Staggered jumper; 5-way; insulated; light gray



[Item No.: 2002-476](#)
Staggered jumper; 6-way; insulated; light gray



[Item No.: 2002-477](#)
Staggered jumper; 7-way; insulated; light gray



[Item No.: 2002-478](#)
Staggered jumper; 8-way; insulated; light gray



[Item No.: 2002-479](#)
Staggered jumper; 9-way; insulated; light gray



[Item No.: 2002-477/011-000](#)
Staggered jumper; insulated; light gray



[Item No.: 2002-479/011-000](#)
Staggered jumper; insulated; light gray



[Item No.: 2002-481/011-000](#)
Staggered jumper; insulated; light gray



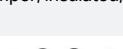
[Item No.: 2002-405/011-000](#)
Star point jumper; 3-way; insulated; light gray



[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

1.2.6 Marking

1.2.6.1 Group marker carrier

[Item No.: 2009-191](#)

Group marker carrier; gray

[Item No.: 2009-192](#)

Group marker carrier; gray

[Item No.: 2009-193](#)

Group marker carrier; gray

1.2.6.2 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

[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

1.2.6.3 Marker carrier



[Item No.: 2002-121](#)
Adaptor; gray



[Item No.: 2002-161](#)
Adaptor; gray



[Item No.: 2009-198](#)
Adaptor; gray

1.2.6.4 Marking strip



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

1.2.7 Protective warning marker

1.2.7.1 Cover



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

1.2.8 Push-in type wire jumper

1.2.8.1 Jumper



[Item No.: 2009-414](#)
Push-in type wire jumper; 1.5 mm²; insulated;
110 mm long; black



[Item No.: 2009-414/000-005](#)
Push-in type wire jumper; 1.5 mm²; insulated;
110 mm long; black



[Item No.: 2009-416](#)
Push-in type wire jumper; 1.5 mm²; insulated;
250 mm long; black



[Item No.: 2009-414/000-006](#)
Push-in type wire jumper; insulated; 110
mm long; black



[Item No.: 2009-412](#)
Push-in type wire jumper; insulated; 60
mm long; black

1.2.9 Screwless end stop

1.2.9.1 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

1.2.10 Test and measurement

1.2.10.1 Testing accessories



[Item No.: 2009-174](#)

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

[Item No.: 2009-182](#)

Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

[Item No.: 2002-649](#)

TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray

[Item No.: 2002-611](#)

TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm²; gray

1.2.11 Tool

1.2.11.1 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