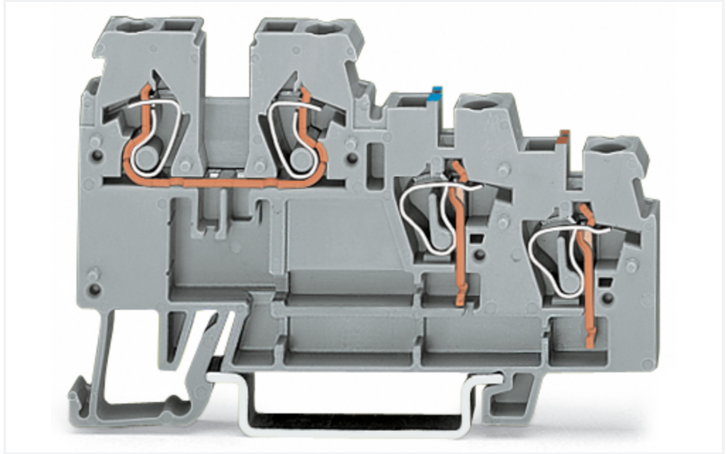
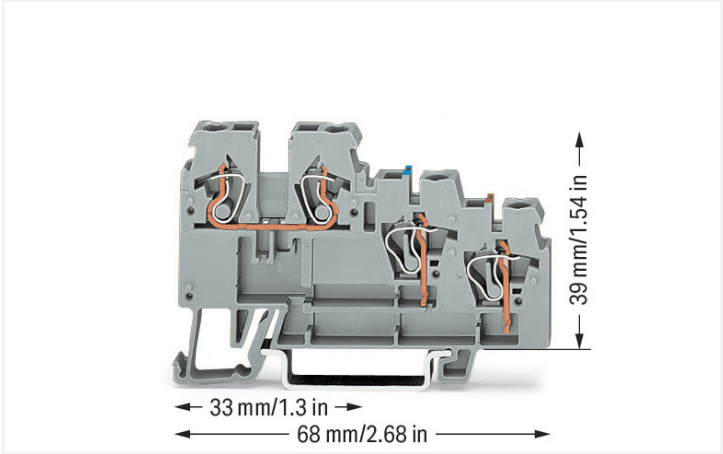
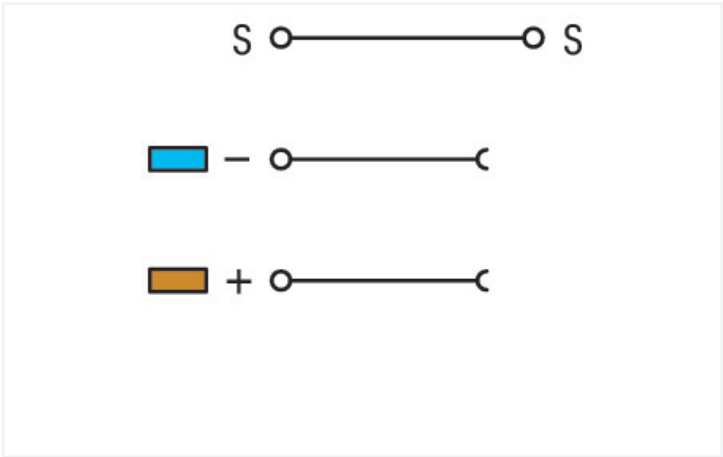




Color: ■ gray



Sensor terminal block, 270 Series, CAGE CLAMP®

This sensor terminal block (item number 270-560) simplifies electrical installations. Strip lengths must be between 6 mm and 7 mm when connecting conductors to this sensor terminal block. This product features conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection provides a convenient and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. Depending on the conductor type, this sensor terminal block is ideal for conductor cross sections ranging from 0.08 mm² to 2.5 mm². It comes with three levels and four clamping points for connecting three potentials. The gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails..

Electrical data			
Ratings per IEC/EN		Power Loss	
Nominal voltage (III/3)	250 V	Power loss, per pole (potential)	0.4309 W
Rated impulse withstand voltage (III / 3)	4 kV	Rated current I _N for power loss specification	18 A
Rated current	18 A	Resistance value for specified, current-dependent power loss	0.00133 Ω
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3		



Connection data																		
Clamping units	4	Connection 1 <table><tr><td>Connection technology</td><td>CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Solid conductor</td><td>0.08 ... 2.5 mm² / 28 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.08 ... 2.5 mm² / 28 ... 12 AWG</td></tr><tr><td>Note (conductor cross-section)</td><td>12 AWG: THHN, THWN</td></tr><tr><td>Strip length</td><td>6 ... 7 mm / 0.24 ... 0.28 inches</td></tr><tr><td>Wiring direction</td><td>Front-entry wiring</td></tr></table>	Connection technology	CAGE CLAMP®	Actuation type	Operating tool	Connectable conductor materials	Copper	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG	Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG	Note (conductor cross-section)	12 AWG: THHN, THWN	Strip length	6 ... 7 mm / 0.24 ... 0.28 inches	Wiring direction	Front-entry wiring
Connection technology	CAGE CLAMP®																	
Actuation type	Operating tool																	
Connectable conductor materials	Copper																	
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG																	
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG																	
Note (conductor cross-section)	12 AWG: THHN, THWN																	
Strip length	6 ... 7 mm / 0.24 ... 0.28 inches																	
Wiring direction	Front-entry wiring																	
Total number of potentials	3																	
Number of levels	3																	
Physical data																		
Width	5 mm / 0.197 inches																	
Height	68 mm / 2.677 inches																	
Depth from upper-edge of DIN-rail	39 mm / 1.535 inches																	
Mechanical data																		
Design	horizontal type																	
Mounting type	DIN-35 rail																	
Marking level	Side marking																	
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	0.169 MJ																	
Weight	8.7 g																	
Environmental requirements																		
Processing temperature	-35 ... +85 °C																	
Continuous operating temperature	-60 ... +105 °C																	
Commercial data																		
Product Group	1 (Rail Mounted Terminal Blocks)																	
PU (SPU)	50 pcs																	
Packaging type	Box																	
Country of origin	CN																	
GTIN	4050821035251																	
Customs tariff number	85369010000																	



Product Classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-28
eCl@ss 9.0	27-14-11-28
ETIM 9.0	EC000900
ETIM 8.0	EC000900
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 6828
CCA DEKRA Certification B.V.	EN 60947	2143311.03
CSA DEKRA Certification B.V.	C22.2	1565649
UR Underwriters Laboratories Inc.	UL 1059	E45172
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG - - UK-Declaration of Confor- mity WAGO GmbH & Co. KG - -

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 270-560	

Documentation			
Bid Text			
270-560	19.02.2019	xml 3.19 KB	
270-560	31.05.2017	doc 23.50 KB	



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 270-560	EPLAN Data Portal 270-560
	WSCAD Universe 270-560
	ZUKEN Portal 270-560

1 Compatible Products
1.1 Required Accessories
1.1.1 End plate
1.1.1.1 End plate



Item No.: 270-319 End and intermediate plate; 1 mm thick; for triple-deck terminal blocks; gray	Item No.: 270-321 End and intermediate plate; 1 mm thick; for triple-deck terminal blocks; orange
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1.2 Optional Accessories
1.2.1 Ferrule
1.2.1.1 Ferrule



Item No.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	Item No.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored	Item No.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	Item No.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated
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Item No.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	Item No.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored	Item No.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	Item No.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored
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Item No.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	Item No.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored	Item No.: 216-224 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	Item No.: 216-124 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated
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1.2.2 Installation
1.2.2.1 Cover



Item No.: 709-153 Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

1.2.2.2 Cover carrier



Item No.: 709-167
Cover carrier; Type 1; 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

1.2.3 Insulation stop

1.2.3.1 Insulation stop



Item No.: 280-470
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white



Item No.: 280-471
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray



Item No.: 280-472
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; black

1.2.4 Jumper

1.2.4.1 Jumper



Item No.: 870-405/011-000



Item No.: 870-407/011-000



Item No.: 870-409/011-000



Item No.: 270-417
Jumper; 17-way; silver-colored



Item No.: 870-402
Jumper; 2-way; insulated; light gray



Item No.: 870-403
Jumper; 3-way; insulated; light gray



Item No.: 870-404
Jumper; 4-way; insulated; light gray



Item No.: 870-405
Jumper; 5-way; insulated; light gray



Item No.: 870-406
Jumper; 6-way; insulated; light gray



Item No.: 870-407
Jumper; 7-way; insulated; light gray



Item No.: 270-480
Jumper; 80-way; silver-colored



Item No.: 870-408
Jumper; 8-way; insulated; light gray



Item No.: 870-409
Jumper; 9-way; insulated; light gray



Item No.: 270-409
Jumper; 9-way; silver-colored

1.2.5 Marking

1.2.5.1 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



1.2.5.1 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.: 793-5501/000-007 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.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue	 Item No.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray
 Item No.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type; green	 Item No.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type; light green	 Item No.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; orange	 Item No.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red
 Item No.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type; violet	 Item No.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	 Item No.: 793-501/000-002 WMB marking card; as card; not stretchable; 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.: 2009-115/000-024 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	

1.2.5.2 Marking strip

 Item No.: 709-196 Marking strips; for laser printer; translucent	 Item No.: 709-177 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent	 Item No.: 709-178 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white
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1.2.6 Tool

1.2.6.1 Operating tool



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



Item No.: 210-657
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

Installation Notes

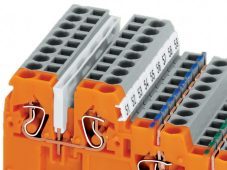
Commoning



Inserting a jumper.



Commoning a supply voltage using uninsulated push-in type jumper bars, 2- to 9-way or 17-way (2 x 8 bits), depending on application.



Commoning signal level voltage via insulated push-in type jumper bars (870 Series) – 2- to 9-way, depending on application.
Sensor LED terminal blocks cannot be commoned!

Application



Terminal block assembly:
Sensor terminal blocks

Marking



Marking strip (Item No. 709-196)
Not suitable for LED terminal blocks!