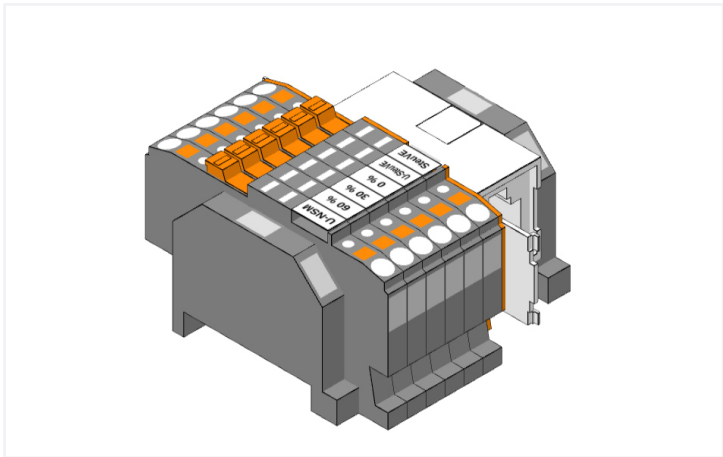




Control Signal Terminal Strips per § 14a EnWG

Due to the Energy Industry Act (EnWG), system operators whose connection power is greater than 4.2 kW (usually wallboxes or heat pumps for private households) are obligated to install throttle devices that can be controlled by the grid operator in an emergency to ensure grid stability in the event of excessive power consumption. For this purpose, WAGO offers the Control Signal Terminal Strips according to § 14a EnWG as an interface between consumers and grid operators, which were developed in cooperation with grid operators according to the valid TABs. They offer the advantages of a uniform structure, standards and meet the requirements for clear separation of load and control current. These sets are delivered ready for installation and without a DIN-rail for the end user. They are developed for the German energy market.

This item includes:



Item No.: 249-116 2
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 2002-1692 1
End and intermediate plate; 1 mm thick; orange



Item No.: 2009-110 1
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white



Item No.: 2202-1671 6
2-conductor disconnect/test terminal block; with push-button; with test option; orange disconnect link; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray



Item No.: 289-199 1
Coupler module; 2xRJ-45; Cat. 6A; in mounting carrier

Electrical data						
Ratings per		IEC/EN 60947-7-1			Approvals per	
					UL 1059	
Overvoltage category		III	III	II	Use group	B C D
Pollution degree		3	2	2	Rated voltage	300 V 300 V -
Nominal voltage		400 V	-	-	Rated current	15 A 15 A -
Rated impulse withstand voltage		6 kV	-	-		
Rated current		16 A	-	-		



Approvals per		CSA 22.2 No 158		
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	15 A	15 A	-	

Power Loss	
Power loss, per pole (potential)	0.341 W
Rated current I _N for power loss specification	16 A
Resistance value for specified, current-dependent power loss	0.00133 Ω

General information	
Wiring direction	Front-entry wiring

Connection Data	
Clamping units	12
Number of levels	1

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
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	
Width	63.9 mm / 2.516 inches
Height	76.3 mm / 3.004 inches
Depth from upper-edge of DIN-rail	32.9 mm / 1.295 inches
Depth	39 mm / 1.535 inches

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

Material data	
Note (material data)	Information on material specifications can be found here
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	1.135 MJ
Actuator color	orange
Weight	79.5 g

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

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966932836
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121410
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

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1 Compatible Products

1.1 System counterpart

1.1.1 Installation rail-mount terminal block set



Item No.: 821-560

Rail-mount terminal block assembly; 6-pole; according to § 14a EnWG

1.2 Optional Accessories

1.2.1 Signal Transfer

1.2.1.1 Connecting cable



Item No.: 821-565

pre-assembled connecting cable; for Control Signal Terminal Strips; 6-pole; according to § 14a EnWG; 0.5 m



Item No.: 821-561

pre-assembled connecting cable; for Control Signal Terminal Strips; 6-pole; according to § 14a EnWG; 1 m



Item No.: 821-590

pre-assembled connecting cable; for Control Signal Terminal Strips; 6-pole; according to § 14a EnWG; 1 m



Item No.: 821-592

pre-assembled connecting cable; for Control Signal Terminal Strips; 6-pole; according to § 14a EnWG; 2 m



1.2.1.1 Connecting cable



Item No.: 821-594
pre-assembled connecting cable; for Control Signal Terminal Strips; 6-pole; according to § 14a EnWG; 5 m

Item No.: 821-595
pre-assembled connecting cable; for Control Signal Terminal Strips; 6-pole; Color code according to DIN 47100; according to § 14a EnWG; 1 m

Item No.: 821-593
Pre-assembled extension; for Control Signal Terminal Strips; with splic. connector and mounting foot; 1-pole; according to § 14a EnWG; Length 0.25m; extension for "UNSM"