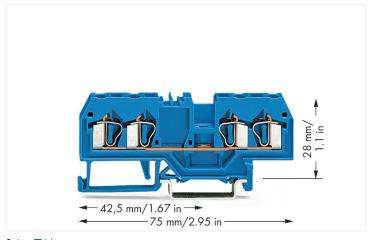
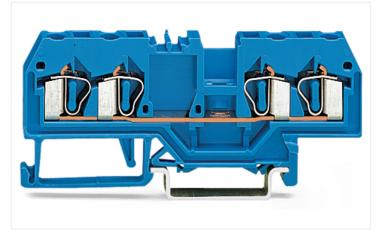
4-conductor through terminal block; 2.5 mm²; suitable for Ex i applications; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP[®]; 2,50 mm²; blue

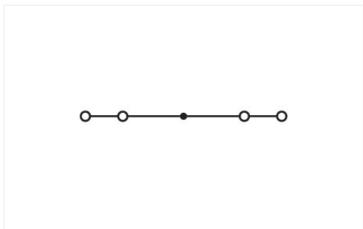


https://www.wago.com/280-834





Color: Dlue



Similar to illustration

Through terminal block, 280 Series, blue

This through terminal block (item number 280-834) is designed for quick and simple connections. Whether for use in industry or building installations, our rail-mount through terminal blocks allow you to quickly and securely connect electrical conductors. They're perfect for either classic through-wiring or distributing potential, depending on the variant. This through rail-mount terminal block has a rated voltage of 800 V and can handle currents up to 20 A. Conductors can only be connected to this through terminal block if their strip length is between 8 mm and 9 mm. This product incorporates conductor terminals and utilizes CAGE CLAMP®. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types without having to prepare the conductor. For example, you don't need to crimp ferrules. This through terminal block is suitable for conductor cross sections ranging from 0.08 mm² to 2.5 mm². It has one level. You can connect a single potential using the four clamping points. The blue housing is made of polyamide (PA66) for insulation. This through rail-mount terminal block is operated with an operating tool. These through rail-mount terminal blocks are mounted using DIN-35 rails.. You can connect copper, aluminum conductors thanks to front-entry wiring.

Electrical data			
Ratings per	IEC/	'EN 60947-	7-1
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	20 A	-	-

В	С	D
-	600 V	-
-	20 A	-
	_	- 600 V

Data Sheet | Item Number: 280-834 https://www.wago.com/280-834



Approvals per	CSA 22.2 No 158		
Use group	В	С	D
Rated voltage	-	600 V	-
Rated current	-	24 A	-

Power Loss	
Power loss, per pole (potential)	0.532 W
Rated current I_N for specified power loss	20 A
Resistance value for specified, current- dependent power loss	0.00133 Ω

Connectable conductor materials Copper Aluminum Connectable conductor materials (note) Copper Aluminum Connectable conductor materials (note) Terminating Aluminum Conduct WAGO Spring-Clamp Terminal Bisuitable for solid aluminum condupt of 4 mm²/12 AWG if WAGO 'A Contact Paste 249-130 is used mination. "Alu-Plus" Contact Paste Advant. Automatically destroys the oxiduring clamping. Prevents fresh oxidation at the ping point. Prevents electrolytic corrosion ween aluminum and copper cond (in the same terminal block). Provides long-term protection corrosion. Using terminal blocks with CAGE CLAMP® Spring Pressure Conne Technology, aluminum conduct first be cleaned with a blade an immediately inserted into the claunits filled with "Alu-Plus" contact It is also possible to apply WAGC Plus" additionally on the whole of the aluminum conductor befor nation. Please note that the nominal curmust be adapted to the reduced			
Connectable conductor materials Copper Aluminum Connectable conductor materials (note) Connectable conductor materials (note) Connectable conductor materials (note) Terminating Aluminum Conduc WAGO Spring-Clamp Terminal Bi suitable for solid aluminum conduct up to 4 mm²/12 AWG if WAGO 'A Contact Paste 249-130 is used mination. "Alu-Plus" Contact Paste Advant. Automatically destroys the oxid during clamping. Prevents fresh oxidation at the ping point. Prevents electrolytic corrosion ween aluminum and copper cond (in the same terminal block). Provides long-term protection corrosion. Using terminal blocks with CAGE CLAMP® Spring Pressure Conne Technology, aluminum conduct first be cleaned with a blade an immediately inserted into the claunits filled with "Alu-Plus" contact all is also possible to apply WAGO Plus" additionally use whose of the aluminum conductor before a contact of the aluminum conductor 2.5 mm² - 16 A 4 mm² - 22 A Solid conductor 0.08 2.5 mm² / 28 12 AWG Note (conductor cross-section) 12 AWG: THHN, THWN			
Actuation type Connectable conductor materials Copper Aluminum Connectable conductor materials (note) Connectable conductor materials (note) Terminating Aluminum Conductor WAGO Spring-Clamp Terminal Bisuitable for solid aluminum conductor up to 4 mm²/12 AWG if WAGO "Contact Paste 249-130" is used mination. *Alu-Plus* Contact Paste Advant • Automatically destroys the oxiduring clamping. • Prevents Fresh oxidation at the ping point. • Prevents resh oxidation at the ping point. • Prevents electrolytic corrosion ween aluminum and copper cond (in the same terminal block). • Provides long-term protection corrosion. Using terminal blocks with CAGE CLAMP® Spring Pressure Conne Technology, aluminum conduct first be cleaned with a blade an immediately instend into the clambid of the aluminum conductor of the aluminum conductor of the aluminum conductor of the aluminum conductor before a continual current of the conductor of the aluminum conductor 2.5 mm² - 16 A 4 mm² = 22 A Solid conductor O.08 2.5 mm² / 28 12 AWG Note (conductor cross-section) 12 AWG: THHN, THWN	4	Connection 1	
Connectable conductor materials Copper Aluminum Connectable conductor materials (note) Terminating Aluminum Conduct WAGO Spring-Clamp Terminal Bisuitable for solid aluminum condupt to 4 mmr/12 AWG if WAGO "A Contact Paste 249-130 is used mination. "Alu-Plus" Contact Paste Advant. • Automatically destroys the oxiduring clamping. • Prevents fresh oxidation at the ping point. • Prevents electrolytic corrosion wen aluminum and copper cond (in the same terminal block). • Provides long-term protection corrosion. Using terminal blocks with CAGE CLAMP® Spring Pressure Conne Technology, aluminum conduct first be clamed with a blade an immediately inserted into the claunits filled with "Alu-Plus" contact the same protection of the aluminum conductor before a contact the same protection of the aluminum conductor before a contact the same protection of the aluminum conductor 2.5 mm² = 16 A mm² = 22 A Solid conductor 0.08 2.5 mm² / 28 12 AWG Note (conductor cross-section) 12 AWG: THHN, THWN	1	Connection technology	CAGE CLAMP®
Aluminum Connectable conductor materials (note) Terminating Aluminum Conduct WAGO Spring-Clamp Terminal Bisuitable for solid aluminum condupt to 4 mm²/12 AWG if WAGO "A Contact Paste 249–130 is used mination. "Alu-Plus" Contact Paste Advant. • Automatically destroys the oxid during clamping. • Prevents fresh oxidation at the ping point. • Prevents electrolytic corrosion wen aluminum and copper conduction in the same terminal block). • Provides long-term protection corrosion. Using terminal blocks with CAGE CLAMP® Spring Pressure Conne Technology, aluminum conduct first be cleaned with a blade an immediately inserted into the claunits filled with "Alu-Plus" contact in the same terminal blocks with CAGE CLAMP® spring Pressure Conne Technology, aluminum conduct first be cleaned with a blade an immediately inserted into the claunits filled with "Alu-Plus" contact the salso possible to apply WAGC Plus" additionally on the whole of the aluminum conductor before nation. Please note that the nominal cur must be adapted to the reduced tivity of the aluminum conductor 2.5 mm² = 16 A a mm² = 22 A Solid conductor 0.08 2.5 mm² / 28 12 AWG Note (conductor cross-section) 12 AWG: THHN, THWN	1	Actuation type	Operating tool
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Automatically destroys the oxiduring clamping. Prevents fresh oxidation at the ping point. Prevents electrolytic corrosion ween aluminum and copper con (in the same terminal block). Provides long-term protection corrosion. Using terminal blocks with CAGE CLAMP® Spring Pressure Conne Technology, aluminum conduct first be cleaned with a blade an immediately inserted into the claunits filled with "Alu-Plus" contact lit is also possible to apply WAGC Plus" additionally on the wholes of the aluminum conductor befonation. Please note that the nominal cur must be adapted to the reduced tivity of the aluminum conductor 2.5 mm² = 16 A 4 mm² = 22 A Solid conductor O.08 2.5 mm² / 28 12 AWG Fine-stranded conductor O.08 2.5 mm² / 28 12 AWG Note (conductor cross-section)		Connectable conductor materials (note)	WAGO Spring-Clamp Terminal B suitable for solid aluminum cond up to 4 mm²/12 AWG if WAGO "A Contact Paste 249-130 is used
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CLAMP® Spring Pressure Conne Technology, aluminum conductor first be cleaned with a blade an immediately inserted into the cla units filled with "Alu-Plus" contact It is also possible to apply WAGO Plus" additionally on the whole s of the aluminum conductor before nation. Please note that the nominal cur must be adapted to the reduced tivity of the aluminum conductor 2.5 mm² = 16 A 4 mm² = 22 A 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			 Prevents fresh oxidation at the oping point. Prevents electrolytic corrosion ween aluminum and copper cond (in the same terminal block). Provides long-term protection a
Plus" additionally on the whole sof the aluminum conductor beformation. Please note that the nominal curmust be adapted to the reduced tivity of the aluminum conductor 2.5 mm² = 16 A 4 mm² = 22 A Solid conductor O.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			Using terminal blocks with CAGE CLAMP® Spring Pressure Connec Technology, aluminum conducto first be cleaned with a blade and immediately inserted into the clar units filled with "Alu-Plus" contact
must be adapted to the reduced tivity of the aluminum conductor 2.5 mm^2 = 16 A 4 mm^2 = 22 A Solid conductor $0.08 \dots 2.5 \text{ mm}^2 / 28 \dots 12 \text{ AWG}$ Fine-stranded conductor $0.08 \dots 2.5 \text{ mm}^2 / 28 \dots 12 \text{ AWG}$ Note (conductor cross-section) 12 AWG : THHN, THWN			It is also possible to apply WAGO Plus" additionally on the whole so of the aluminum conductor before nation.
Fine-stranded conductor 0.08 2.5 mm² / 28 12 AWG Note (conductor cross-section) 12 AWG: THHN, THWN			
Note (conductor cross-section) 12 AWG: THHN, THWN		Solid conductor	0.08 2.5 mm² / 28 12 AWG
		Fine-stranded conductor	0.08 2.5 mm² / 28 12 AWG
Strip length 8 9 mm / 0.31 0.35 inches		Note (conductor cross-section)	12 AWG: THHN, THWN
		Strip length	8 9 mm / 0.31 0.35 inches

Physical data	
Width	5 mm / 0.197 inches
Height	75 mm / 2.953 inches
Depth from upper-edge of DIN-rail	28 mm / 1.102 inches

Wiring direction

Front-entry wiring

https://www.wago.com/280-834



Mechanical data

DIN-35 rail Mounting type Marking level Center marking

Material data	
Note (material data)	Information on material specifications can be found here
Color	blue
Material group	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.147 MJ
Weight	9.3 a

Environmental requirements

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

Commercial data Product Group 1 (Rail Mounted Terminal Blocks) PU (SPU) 100 pcs Packaging type Box Country of origin DE GTIN 4044918311427 Customs tariff number 85369010000

Product classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-20
eCl@ss 9.0	27-14-11-20
ETIM 9.0	EC000897
ETIM 8.0	EC000897
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals







Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1536071
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-154769
UL Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

https://www.wago.com/280-834



Approvals for marine applications







Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA
BV Bureau Veritas S.A.	EN 60947	07436/F0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

Downloads Environmental Product Compliance Compliance Search Environmental Product Compliance 280-834

Documentation			
Bid Text			
280-834	19.02.2019	xml 3.24 KB	$\underline{\downarrow}$
280-834	28.02.2017	doc 24.00 KB	$\underline{\downarrow}$

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 280-834	EPLAN Data Portal 280-834
	WSCAD Universe 280-834
	ZUKEN Portal 280-834



1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

arav

1.1.1.1 End plate



Item No.: 280-314 End and intermediate plate; 2.5 mm thick;



Item No.: 280-335 Separator plate; 2 mm thick; oversized; orange

Item No.: 284-336

orange

Item No.: 280-315

Step-down cover plate; 1 mm thick; for 4conductor 279-831, 280-833 and 281-652 terminal blocks; gray

End and intermediate plate; 2.5 mm thick;

Item No.: 209-191

Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange



Item No.: 284-346

Step-down cover plate; 1 mm thick; for 4conductor 279-831, 280-833 and 281-652 terminal blocks; orange

Item No.: 280-334

Separator plate; 2 mm thick; oversized; arav

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories



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

Item No.: 210-112

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



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.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

Item No.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

Item No.: 216-201

Ferrule: Sleeve for 0.5 mm² / 20 AWG: insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90;

Item No.: 216-101

Ferrule: Sleeve for 0.5 mm² / AWG 22: uninsulated; electro-tin plated; silver-colored



Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

Item No.: 216-102

Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-co-

Item No.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

Item No.: 216-103

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

https://www.wago.com/280-834



1.2.2.1 Ferrule

Item No.: 216-204

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

Item No.: 216-104

Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored

1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-153

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

1.2.3.2 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

1.2.3.3 Mounting accessories





Item No.: 209-106

Mounting carrier; for isolated mounting on DIN 35 rails; gray

Item No.: 249-116

Screwless end stop; 6 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

1.2.4 Insulation stop

1.2.4.1 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

1.2.5 Jumper

1.2.5.1 Jumper





Jumper; 10-way; insulated; gray



Item No.: 280-485

Jumper; 2-way; insulated; gray



Jumper; 2-way; insulated; gray

Item No.: 280-483

Jumper; 3-way; insulated; gray



Item No.: 280-484

Jumper; 4-way; insulated; gray

111

Jumper; 5-way; insulated; gray

11111

Item No.: 280-402

Jumper; insulated; gray

Item No.: 280-409
Jumper; insulated; gray

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1.2.5.1 Jumper

Item No.: 280-422

Jumper; insulated; yellow-green

Item No.: 780-452

Staggered jumper; from 1 to 2; insulated; gray

Item No.: 780-453

Staggered jumper; from 1 to 3; insulated; gray

Item No.: 780-454

Staggered jumper; from 1 to 4; insulated; gray

Item No.: 780-455

Staggered jumper; from 1 to 5; insulated; gray

Item No.: 780-456

Staggered jumper; from 1 to 6; insulated;

Item No.: 780-457

Staggered jumper; from 1 to 7; insulated; gray

Item No.: 780-458

Staggered jumper; from 1 to 8; insulated;

Item No.: 284-414

Step-down jumper; from 284/282 to 281/280/279 series; insulated; gray

Item No.: 709-110

Wire commoning chain; 2.5 mm²; insula-

Item No.: 709-111

Wire commoning chain; 2.5 mm²; insula-

Item No.: 709-112

Wire commoning chain; 2.5 mm²; insula-

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 Double marker carrier



Item No.: 209-128

Adaptor; gray

1.2.6.2 Group marker carrier

Group marker carrier; gray

Item No.: 209-141

Group marker carrier; gray

Item No.: 209-142 Group marker carrier; gray Item No.: 249-105

Group marker carrier; gray

1.2.6.3 Marker

Item No.: 209-140

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.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.2.7 Plug

1.2.7.1 Component module with diode



Item No.: 280-803/281-411

Component plug; 2-pole; with diode 1N4007; 10 mm wide; gray

Item No.: 280-803/281-420

Component plug; 2-pole; with rectifier diode and LED; 10 mm wide; gray

Item No.: 280-803/281-421

Component plug; 2-pole; with rectifier diode and LED; 10 mm wide; gray

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1.2.7.2 Component module with LED









Item No.: 280-803/281-415

Component plug; 2-pole; LED (red); 10 mm wide; gray

Item No.: 280-803/281-416 Component plug; 2-pole; LED (red); 10 mm wide; gray

Item No.: 280-803/281-413 Component plug; 2-pole; LED (red); 24 VDC; 10 mm wide; gray

Item No.: 280-803/281-414 Component plug; 2-pole; LED (red); 48 VDC; 10 mm wide; gray

Item No.: 280-803/281-420

Component plug; 2-pole; with rectifier diode and LED; 10 mm wide; gray

Item No.: 280-803/281-421

Component plug; 2-pole; with rectifier diode and LED; 10 mm wide; gray

1.2.7.3 Empty component plug housing



Item No.: 280-803

Empty component plug housing; 10 mm wide; Type 4; 2-pole; gray

1.2.7.4 Neon indicator module





Item No.: 280-803/281-417

Component plug; 2-pole; 10 mm wide; gray

Item No.: 280-803/281-418

Component plug; 2-pole; 10 mm wide; gray

1.2.8 Protective warning marker

1.2.8.1 Cover



Item No.: 280-415

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.9 Push-in type wire jumper

1.2.9.1 Jumper













Item No.: 249-126

Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; black

Item No.: 249-123

Push-in type wire jumper; 0.75 mm²; insulated; 180 mm long; black

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; black

Item No.: 249-127

Item No.: 249-125 Push-in type wire jumper; insulated; 60 mm long; black

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1.2.10 Test and measurement

1.2.10.1 Testing accessories



Item No.: 249-107

B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray

Item No.: 249-106

B-type test plug module; modular; 1,50 mm²; gray

Item No.: 249-147

B-type test plug module; modular; 2,50 mm²; gray

Item No.: 249-142

L-type end module; modular; with rigid contact pin; End module; 1,50 mm²; gray



Item No.: 249-143

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

Item No.: 249-141

L-type test plug module; modular; with spring-loaded contact pin; Center module; 1,50 mm²; gray

Item No.: 280-419

Spacer module; modular; bridging commoned terminal blocks; gray

Item No.: 280-404

Test plug adapter; 5 mm wide; for test plug (2.3 mm \emptyset); suitable for 1.5 mm² - 4 mm² tbs; gray

Item No.: 209-170

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm² - 10 mm² tbs; gray

Item No.: 280-418

Test plug module; modular; suitable for all WAGO 280 and 780 Series rail-mounted terminal blocks with jumper slots in the current bar; gray

Item No.: 281-407

Test plug; 6 mm wide; Nominal current 24 A; for 0.08 mm² - 2.5 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

Item No.: 210-657

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

Installation Notes

Installation



Snapping a terminal block onto the DIN-rail.



Quick assembly keys prevent reverse mounting.



Removing a terminal block from the assembly.



Steel DIN-rails are not suited for PEN (ground and N-conductor) applications per EN 60947-7-2 (VDE 0611, Part 3).

Conductor termination



CAGE CLAMP® connection Inserting a conductor.



CAGE CLAMP® connection Inserting a conductor.

With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.



Inserting insulation stops.



CAGE CLAMP® connection Removing a solid conductor.

MAGO

Commoning



Commoning using an adjacent jumper. Push jumper down until fully inserted!



Staggered jumpers are suitable for sophisticated circuit requirements. Push jumpers down until fully inserted!



Push-In Type Wire Jumpers

When installing machines or control systems, it is often necessary to make an additional connection between two terminal blocks that are not next to each other on the rail. In such cases, WAGO's touchproof, push-in type wire jumpers are the ideal solution.

These jumpers are compatible with the following rail-mount terminal blocks:

- 279 Series (1.5 mm²/16 AWG),
- 280/775/780 Series (2.5 mm²/14 AWG) - 281/769/776/777/781 and 880 Series (4 mm²/12 AWG)

They are available in three conductor lengths (60, 110 and 250 mm), allowing up to 60 terminal blocks to be commoned depending on their width (see table on the right).

The 280/775/780 and 281/776/777/781 Series Terminal Blocks accept two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780/880 and 281/776/777/781 Series allow both wire jumper and adjacent jumper to be simultaneously plugged into a same terminal



Commoning using comb-style jumper bars:

Push comb-style jumper bars down until fully inserted.



Commoning terminal blocks of different sizes via step-down jumpers.

Testing



Testing with a test plug.
Picture shows a test plug fitted with CAGE



L-type test plug modules fitted with CA-GE CLAMP®



B-type test plug modules fitted with CA-GE CLAMP®



Testing with a test plug. Picture shows a test plug adapter (209-170).



Test plugs modules are directly plugged into the jumper contact slot of the current bar.

https://www.wago.com/280-834



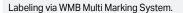
Cover



Protective warning markers inserted into the operating slots

Marking







Terminal block marking with double marker carriers (209-128) Terminal blocks with side marking

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

Current addresses can be found at:: $\underline{www.wago.com}$

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