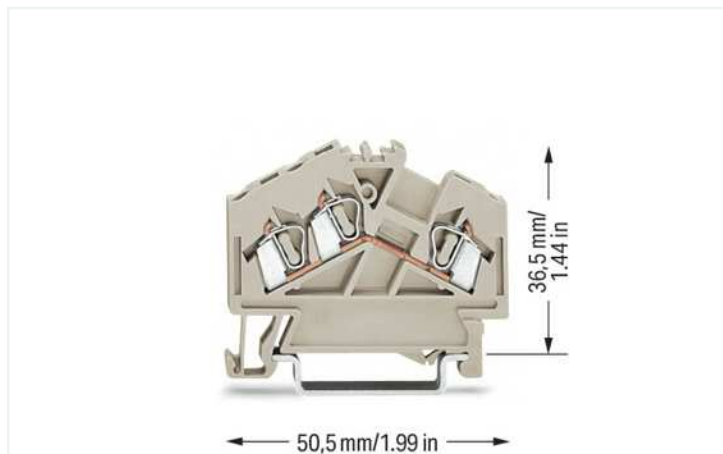


Data Sheet | Item Number: 280-998

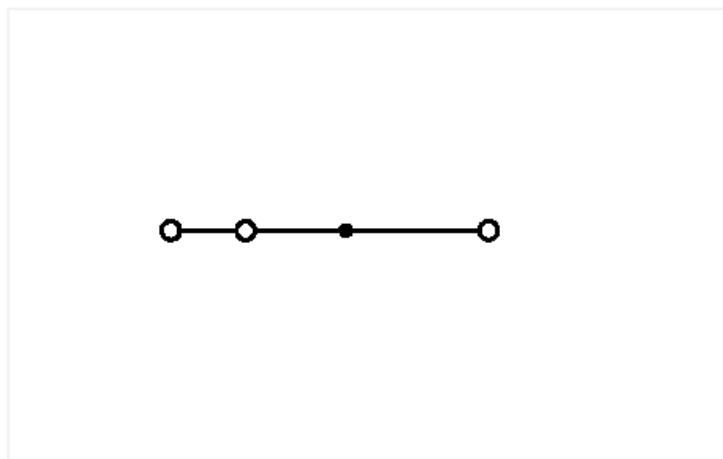
3-conductor through terminal block; 2.5 mm²; suitable for Ex e II applications; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; light gray



<https://www.wago.com/280-998>



Color:  light gray



Similar to illustration

Electrical data

Ratings per IEC/EN

Ratings per IEC/EN 60947-7-1

Ex information

Reference hazardous areas	See application instructions in section "Knowledge and Downloads – Documentation – Additional Information: Technical Section; Technical Explanations"
Rated voltage EN (Ex e II)	550 V
Note (rated voltage)	Using staggered jumpers reduces the maximum rated voltage to 275 V.
Rated current (Ex e II)	23 A

Power loss

Power loss, per pole (potential)	0.7036 W
Rated current I_N for specified power loss	23 A
Resistance value for specified, current-dependent power loss	0.00133 Ω

Connection data

Connection points	3
Total number of potentials	1
Number of levels	1

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper Aluminum
Connectable conductor materials (note)	<p>Terminating Aluminum Conductors WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste 249-130 is used for termination.</p> <p>"Alu-Plus" Contact Paste Advantages:</p> <ul style="list-style-type: none"> • Automatically destroys the oxide film during clamping. • Prevents fresh oxidation at the clamping point. • Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block). • Provides long-term protection against corrosion. <p>Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, aluminum conductors must first be cleaned with a blade and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.</p> <p>It is also possible to apply WAGO "Alu-Plus" additionally on the whole surface of the aluminum conductor before termination.</p> <p>Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors:: 2.5 mm² = 16 A 4 mm² = 22 A</p>
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Note (conductor cross-section)	12 AWG: THHN, THWN
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Wiring direction	Front-entry wiring, angled

Physical data

Width	5 mm / 0.197 inches
Height	50.5 mm / 1.988 inches
Depth from upper-edge of DIN-rail	36.5 mm / 1.437 inches

Mechanical Data

Design	angled
Mounting type	DIN-35 rail
Marking level	Center marking

Material Data

Note (material data)

[Information on material specifications can be found here](#)

Color light gray

Material group I

Insulation material Polyamide (PA66)

Flammability class per UL94 V0

Fire load 0.12 MJ

Weight 6.8 g

Environmental requirements

Processing temperature -35 ... +85 °C

Continuous operating temperature -60 ... +105 °C

Commercial data

Product Group 1 (Rail Mounted Terminal Blocks)

eCl@ss 10.0 27-14-11-20

eCl@ss 9.0 27-14-11-20

ETIM 8.0 EC000897

ETIM 7.0 EC000897

PU (SPU) 100 pcs

Packaging type Box

Country of origin DE

GTIN 4044918328043

Customs tariff number 85369010000

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate

**Item No.: 280-354**

End and intermediate plate; 2.5 mm thick; light gray

**Item No.: 209-191**

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

**Item No.: 209-192**

Separator for Ex e/Ex i applications; 3 mm thick; 125.5 mm wide; orange

**Item No.: 280-355**

Separator plate; 2.5 mm thick; oversized; light gray