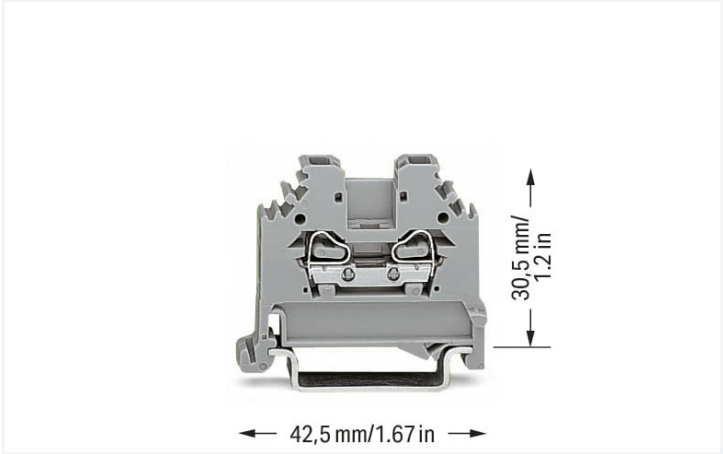
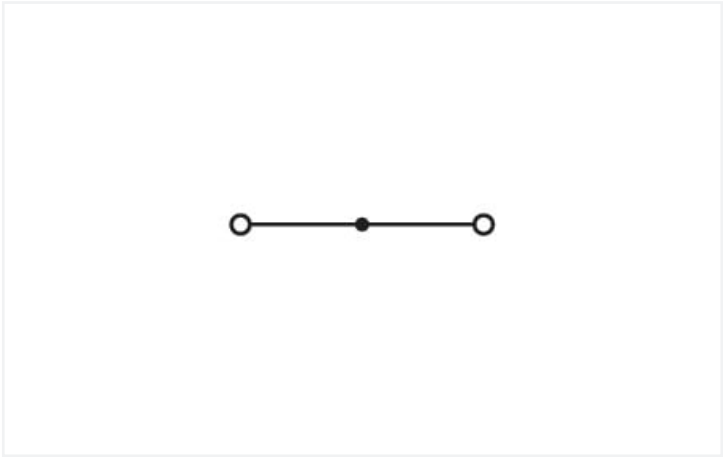


**Data Sheet | Item Number: 280-101**  
2-conductor through terminal block; 2.5 mm²; lateral marker slots; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray  
<https://www.wago.com/280-101>



Color: gray



Similar to illustration

Electrical data			
Ratings per IEC/EN		Ratings per UL 1059	
Ratings per	IEC/EN 60947-7-1	Approvals per	UL 1059
Nominal voltage (III/3)	800 V	Rated voltage UL (Use Group C)	600 V
Rated impulse voltage (III/3)	8 kV	Rated current UL (Use Group C)	20 A
Rated current	24 A		
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3		

Ratings per CSA		Power loss	
Approvals per	CSA 22.2 No 158	Power loss, per pole (potential)	0.7661 W
Rated voltage CSA (Use Group C)	600 V	Rated current I <sub>N</sub> for specified power loss	24 A
Rated current CSA (Use Group C)	20 A	Resistance value for specified, current-dependent power loss	0.00133 Ω

Connection data



Connection points	2
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><b>Terminating Aluminum Conductors</b> WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste <a href="https://www.wago.com/249-130">249-130</a> is used for termination.</p> <p>"Alu-Plus" Contact Paste Advantages:</p> <ul style="list-style-type: none"><li>• Automatically destroys the oxide film during clamping.</li><li>• Prevents fresh oxidation at the clamping point.</li><li>• Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).</li><li>• Provides long-term protection against corrosion.</li></ul> <p>Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, <b>aluminum conductors must first be cleaned with a blade</b> 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" <b>additionally</b> 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 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	8 ... 9 mm / 0.31 ... 0.35 inches
Wiring direction	Side-entry wiring

Physical data	
Width	5 mm / 0.197 inches
Height	42.5 mm / 1.673 inches
Depth from upper-edge of DIN-rail	30.5 mm / 1.201 inches





Mechanical Data	
Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side marking



Material Data	
Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.084 MJ
Weight	4.1 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	IN
GTIN	4045454075552
Customs tariff number	85369010000

1 Compatible Products			
1.1 Required Accessories			
1.1.1 End plate			
1.1.1.1 End plate			
			
<a href="#">Item No.: 280-301</a> End and intermediate plate; 2.5 mm thick; gray	<a href="#">Item No.: 280-302</a> End and intermediate plate; 2.5 mm thick; orange	<a href="#">Item No.: 280-332</a> Separator plate; 2 mm thick; oversized; gray	<a href="#">Item No.: 280-322</a> Separator plate; 2 mm thick; oversized; orange