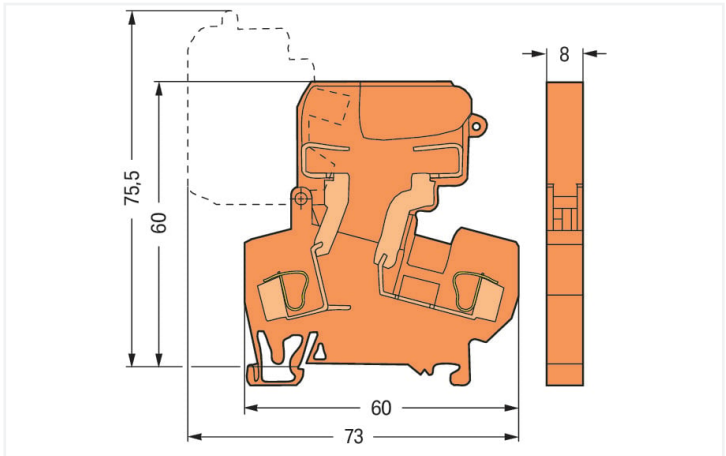


Data Sheet | Item Number: 281-616
2-conductor fuse terminal block; with pivoting fuse holder; for 5 x 20 mm miniature metric fuse; without blown fuse indication; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; orange
<https://www.wago.com/281-616>



Color:  orange

Similar to illustration



Dimensions in mm

Electrical data

Ratings per IEC/EN	
Ratings per	IEC/EN 60947-7-3
Ratings (note)	Electrical ratings are given by the fuse.
Nominal voltage (III/3)	800 V
Rated impulse voltage (III/3)	8 kV
Rated current	10 A
Operation status indicator	none
Legend (ratings)	(III / 3) △ Overvoltage category III / Pollution degree 3

Power loss	
Power loss (max.) $P_{I(max)}$ (note)	When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.
Power loss P_I max. overload and short-circuit protection (individual arrangement)	2.5 W
Power loss P_I max. overload and short-circuit protection (group arrangement)	1.6 W
Power loss P_I max. short-circuit protection (individual arrangement)	4 W
Power loss P_I max. short-circuit protection (group arrangement)	4 W

General	
Fuse receptacle	pivoting
Fuse type	Cylindrical fuse; 5 x 20 mm



Connection data		
Connection points	2	
Total number of potentials	2	
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 ... 4 mm² / 28 ... 12 AWG	
Fine-stranded conductor	0.08 ... 4 mm² / 28 ... 12 AWG	
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches	
Wiring direction	Front-entry wiring	
Physical data		
Width	8 mm / 0.315 inches	
Height	60 mm / 2.362 inches	
Depth from upper-edge of DIN-rail	60 mm / 2.362 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	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.328 MJ
Weight	17.3 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	27-14-11-16
eCl@ss 9.0	27-14-11-16
ETIM 8.0	EC000899
ETIM 7.0	EC000899
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	IN
GTIN	4045454871529
Customs tariff number	85369095000

Approvals / Certificates

General approvals			Approvals for marine applications		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2 No. 158	1505034	ABS American Bureau of Ship- ping	-	20-HG1941090-PDA
KEMA/KEUR DEKRA Certification B.V.	EN 60947	NTR NL-7135			
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2160584.31			
UR UL International Germany GmbH	UL 1059	E45172			