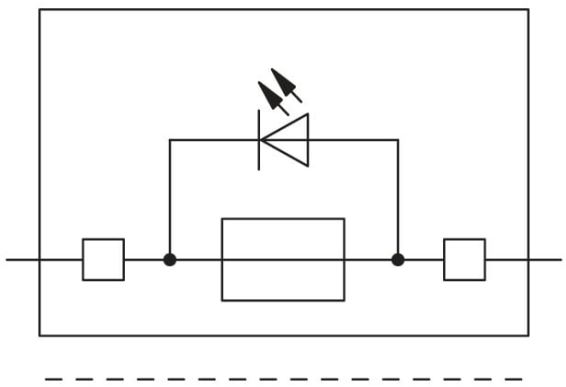
Data Sheet | Item Number: 2006-1611/1000-541

2-conductor fuse terminal block; with pivoting fuse holder; for 5 x 20 mm miniature metric fuse; with blown fuse indication by LED; 12 - 30 V; for DIN-rail 35 x 15 and 35 x 7.5; 6 mm²; Push-in CAGE CLAMP®; 6,00 mm²; gray

https://www.wago.com/2006-1611/1000-541



Electrical data

Ratings per	IEC/EN 60947-7-3		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	10 A	-	-
Current at conductor cross-section (max.) mm²	-	-	-

Ratings per	IEC/EN 60947-7-3		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	30 V	-	-
Rated surge voltage	0.8 kV	-	-
Rated current	-	-	-
Current at conductor cross-section (max.) mm²	-	-	-

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	30 V	30 V	-
Rated current	15 A	15 A	-

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-

Power loss

Power loss (max.) $P_{l\,(max.)}$ (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_l max. overload and short-circuit protection (individual arrangement)	1.6 W
Power loss P_l max. overload and short-circuit protection (group arrangement)	1.6 W
Power loss P_l max. short-circuit protection (individual arrangement)	2.5 W
Power loss P_l max. short-circuit protection (group arrangement)	2.5 W

General

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

Connection data

Continued on next page

Connection points	2
Total number of potentials	1
Number of levels	1
Number of jumper slots	2

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 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	13 … 15 mm / 0.51 … 0.59 inches
Wiring direction	Front-entry wiring

Physical data

Width	7.5 mm / 0.295 inches
Height	96.3 mm / 3.791 inches
Depth from upper-edge of DIN-rail	59 mm / 2.323 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
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.46 MJ
Weight	25 g

Environmental requirements

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

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	e5f22774-314d-423e-8cb4-2b6d28ad688a
SCIP notification number (Belgium)	3d7d1be9-90f7-485f-84bf-f716ff4c07b9
SCIP notification number (Bulgaria)	f6e51f96-ebe8-4112-840e-3d9a6aa41edd
SCIP notification number (Czech Republic)	9137ab20-7d2c-4bfa-9a67-66b375fd5410
SCIP notification number (Denmark)	f23674a2-d180-4d00-9fac-f51309f05355

Continued on next page

Environmental Product Compliance

SCIP notification number (Finland)	b90acd38-0495-4285-aec5-d16ddf212e9b
SCIP notification number (France)	de152c6d-0bc8-4abd-ac28-fb215edf023a
SCIP notification number (Germany)	f7c69732-0469-4018-89a0-973a9d02d80b
SCIP notification number (Hungary)	777bd058-422c-4350-9fb4-63e5bfd13742
SCIP notification number (Italy)	60fc947e-b73e-4178-ba75-4af2438ce0d0
SCIP notification number (Netherlands)	70114ffa-f220-4328-a0ef-cb7fc055b94d
SCIP notification number (Poland)	468303cd-1520-4509-a28d-fc6a1627fa84
SCIP notification number (Romania)	9378ab43-6d8c-4385-b046-55d634f8d1ad
SCIP notification number (Sweden)	5c3f0bb0-afa6-421d-87c7-564fdd3993df

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	IEC 60947	71-122840 REV.1
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7925/1
CSA DEKRA Certification B.V.	C22.2 No. 158	1543858
UL UL International Germany GmbH	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate

Item No.: 2006-1691
End and intermediate plate; 1 mm thick; gray

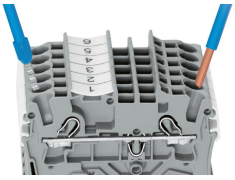
Item No.: 2006-1692
End and intermediate plate; 1 mm thick; orange

Installation Notes

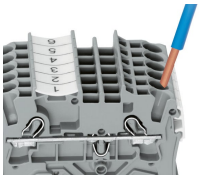
Continued on next page

Conductor termination

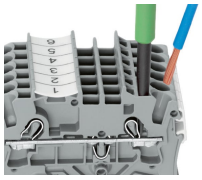
All conductor types at a glance



Push-in termination of solid and ferruled conductors

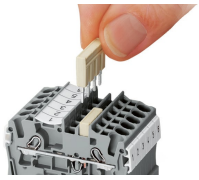


Inserting a conductor via push-in termination:
Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

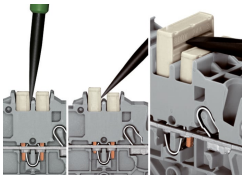


Inserting a conductor via operating tool:
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.
Advantage:
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

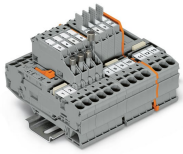
Commoning



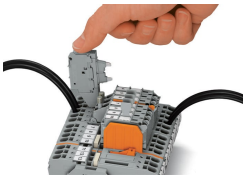
Insert push-in type jumper bar and push down until it hits backstop.



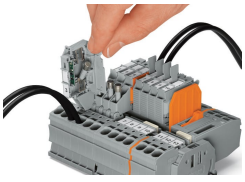
Removing a push-in type jumper bar:
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.



Pivoting fuse holder with spare fuse holder



Fused disconnect terminal block with a pivoting fuse holder
Pivot the fuse holder into the locked open position.



Fused disconnect terminal block with a pivoting fuse holder
Fuse replacement:
Open the cover to replace the fuse

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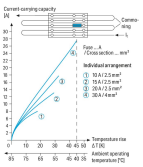
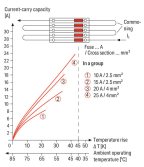
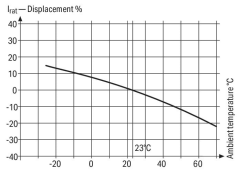


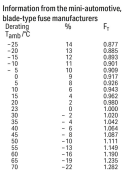
Application Notes on Terminal Blocks for Glass Cartridge Fuses
Diagram: “Individual Arrangement”



Application Notes on Terminal Blocks for Glass Cartridge Fuses
Diagram: “Block Arrangement”

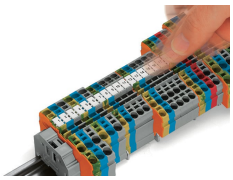


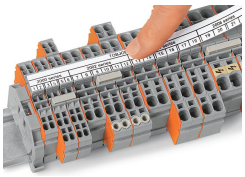
Application Notes on Terminal Blocks for Glass Cartridge Fuses
Nominal current ratings for fuse cartridges are defined differently in international standards. This is why the recommended continuous current-carrying capacity of the fuses is a max. 80% of their nominal current according to DIN 72581/ Part 3 (for a surrounding air temperature of 23°C).
Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges will only operate perfectly as protection components (break-off point) if they are properly selected and used as intended (i.e., according to the state of the technology and valid specifications, as well as data sheet characteristics), according to basic safety requirements (i.e., persons, animals and property must be protected against hazards).



Concerning product safety, fuse cartridges must generally be tested under both normal and faulty operating conditions within your application.

Marking





Snapping WMB Inline markers into marker slots.

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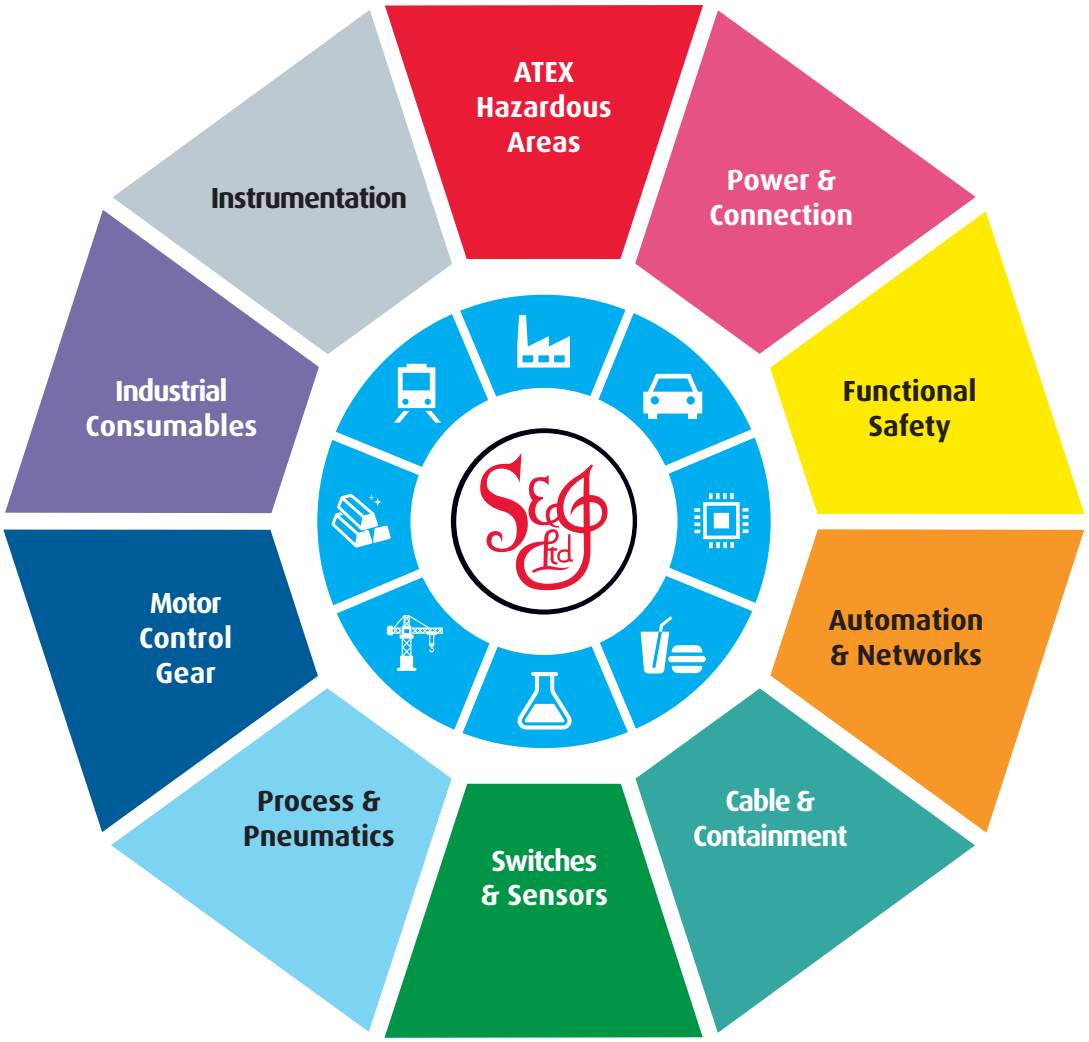

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