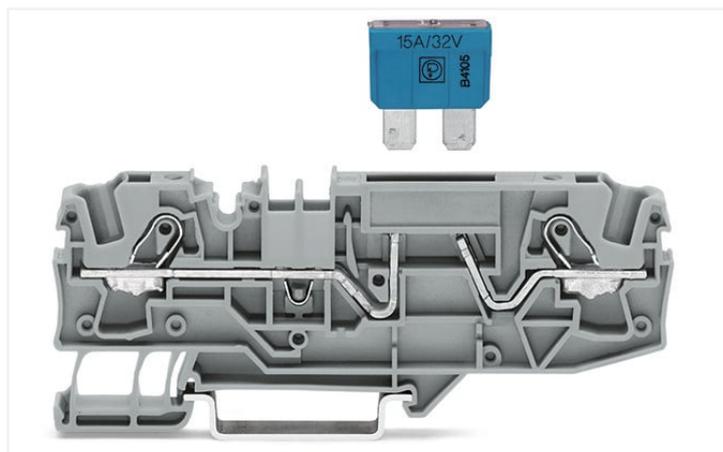
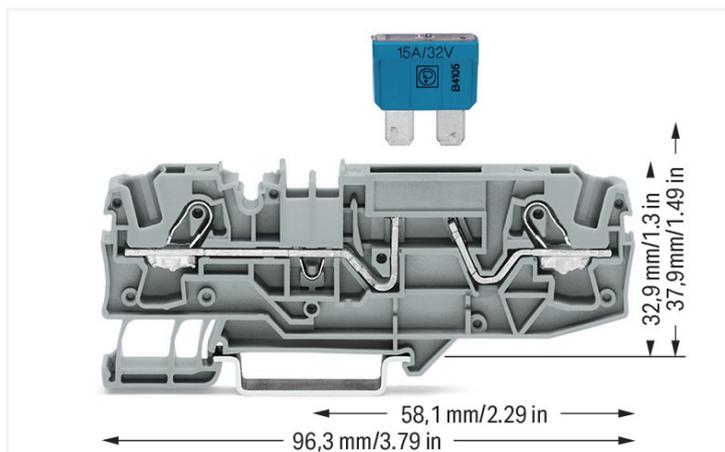


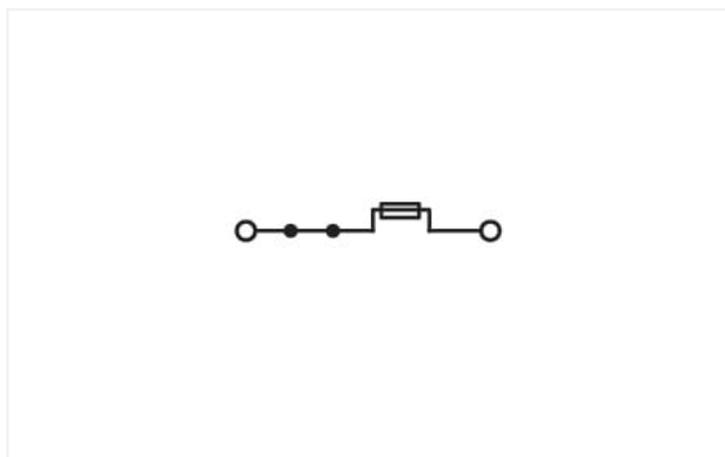
Data Sheet | Item Number: 2006-1681

2-conductor fuse terminal block; for automotive blade-style fuses; with test option; without blown fuse indication; 6 mm²; Push-in CAGE CLAMP®; 6,00 mm²; gray

<https://www.wago.com/2006-1681>



Color: ■ gray



Similar to illustration

Electrical data

Ratings per	IEC/EN 60947-7-3		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	25 A	-	-
Current at conductor cross-section (max.) mm ²	30 A	-	-

Ratings per IEC/EN 2	
Ratings (note) 2	Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

General information

Fuse receptacle	pluggable
Fuse type	Standard flat plug-in fuse; 19.1 x 5.1 x 18.5 mm

Connection data

Connection points	2
Total number of potentials	2
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 mm ²
Solid conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Solid conductor; push-in termination	2.5 ... 10 mm ² / 14 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 6 mm ² / 20 ... 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 ... 6 mm ² / 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	32.9 mm / 1.295 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	0.275 MJ
Weight	17.3 g

Environmental requirements

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

Commercial data

Product Group	22 (TOPJOB S)
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)	25 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821181729
Customs tariff number	85369095000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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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 Conformance WAGO GmbH & Co. KG	-	-
Railway WAGO GmbH & Co. KG	-	Railway Ready
UK-Declaration of Conformance WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
LR Lloyds Register	EN 60947	91/20112 (E9)

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2006-1681	↓

Documentation

Additional Information		
Technical Section	pdf 2240.62 KB	↓

Bid Text			
2006-1681	18.04.2019	xml 4.35 KB	↓
2006-1681	17.04.2019	docx 15.54 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 2006-1681	↓

CAE data	
EPLAN Data Portal 2006-1681	↓
WSCAD Universe 2006-1681	↓
ZUKEN Portal 2006-1681	↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate

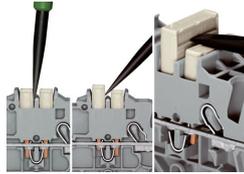


Item No.: 2006-1691
End and intermediate plate; 1 mm thick;
gray

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

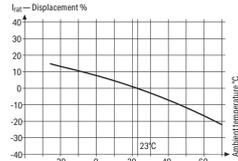
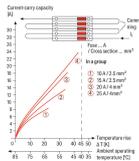
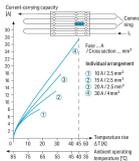
Installation Notes

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.



Information from the mini-automotive, blade-type fuse manufacturers

Operating Temp. °C	%	f ₁
-10	14	0.877
-5	13	0.885
0	12	0.893
5	11	0.901
10	10	0.909
15	9	0.917
20	8	0.924
25	7	0.932
30	6	0.940
35	5	0.948
40	4	0.956
45	3	0.964
50	2	0.972
55	1	0.980
60	0	0.988
65	-1	0.996
70	-2	1.004
75	-3	1.012
80	-4	1.020
85	-5	1.028
90	-6	1.036
95	-7	1.044
100	-8	1.052
105	-9	1.060
110	-10	1.068
115	-11	1.076
120	-12	1.084
125	-13	1.092
130	-14	1.100
135	-15	1.108
140	-16	1.116
145	-17	1.124
150	-18	1.132
155	-19	1.140
160	-20	1.148
165	-21	1.156
170	-22	1.164
175	-23	1.172
180	-24	1.180
185	-25	1.188
190	-26	1.196
195	-27	1.204
200	-28	1.212
205	-29	1.220
210	-30	1.228
215	-31	1.236
220	-32	1.244
225	-33	1.252
230	-34	1.260
235	-35	1.268
240	-36	1.276
245	-37	1.284
250	-38	1.292
255	-39	1.300
260	-40	1.308
265	-41	1.316
270	-42	1.324
275	-43	1.332
280	-44	1.340
285	-45	1.348
290	-46	1.356
295	-47	1.364
300	-48	1.372
305	-49	1.380
310	-50	1.388
315	-51	1.396
320	-52	1.404
325	-53	1.412
330	-54	1.420
335	-55	1.428
340	-56	1.436
345	-57	1.444
350	-58	1.452
355	-59	1.460
360	-60	1.468
365	-61	1.476
370	-62	1.484
375	-63	1.492
380	-64	1.500
385	-65	1.508
390	-66	1.516
395	-67	1.524
400	-68	1.532
405	-69	1.540
410	-70	1.548
415	-71	1.556
420	-72	1.564
425	-73	1.572
430	-74	1.580
435	-75	1.588
440	-76	1.596
445	-77	1.604
450	-78	1.612
455	-79	1.620
460	-80	1.628
465	-81	1.636
470	-82	1.644
475	-83	1.652
480	-84	1.660
485	-85	1.668
490	-86	1.676
495	-87	1.684
500	-88	1.692
505	-89	1.700
510	-90	1.708
515	-91	1.716
520	-92	1.724
525	-93	1.732
530	-94	1.740
535	-95	1.748
540	-96	1.756
545	-97	1.764
550	-98	1.772
555	-99	1.780
560	-100	1.788

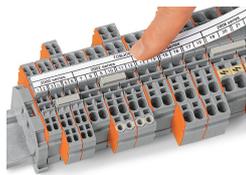
Application Notes on Terminal Blocks for Glass Cartridge Fuses
 Diagram: "Individual Arrangement"

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.