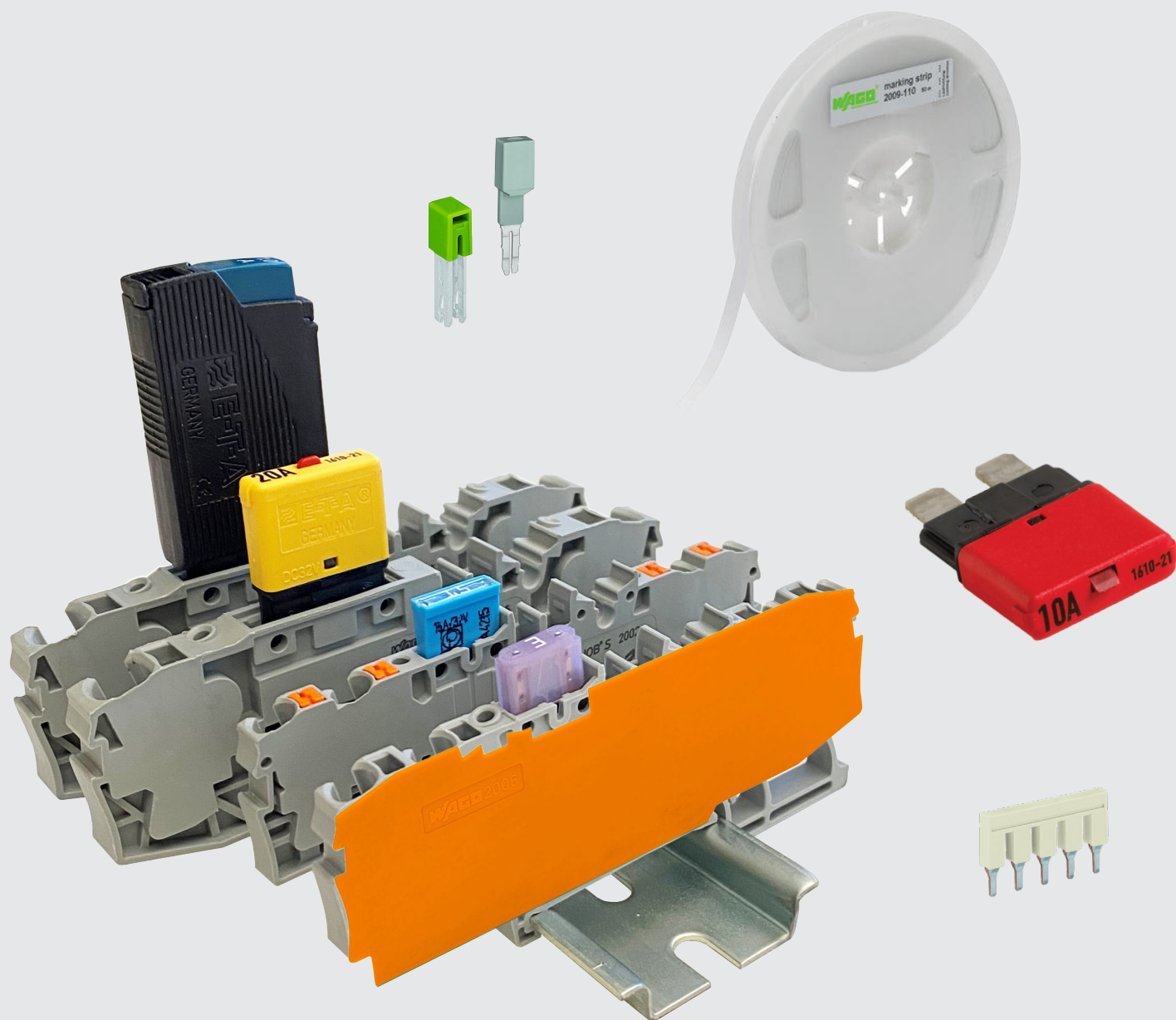




Supplementary Pluggable Protection for WAGO Rail Mount Terminal Blocks



DIN Rail Mount Pluggable Thermal Circuit Breakers

Resettable, supplemental over-current protection solutions can offer advantages when compared to using traditional fuses to safeguard sensitive equipment.

- Lower long-term cost
- Streamlined troubleshooting for automation control panels
- Consistent performance

The compatible WAGO TOPJOBS 2X06 carrier terminal blocks feature Push-In CAGE CLAMP® connection technology for ferruled conductors, reducing factory and field wiring time. These screwless connections are maintenance-free, corrosion resistant, and designed to sustain contact pressure in applications prone to temperature cycling.



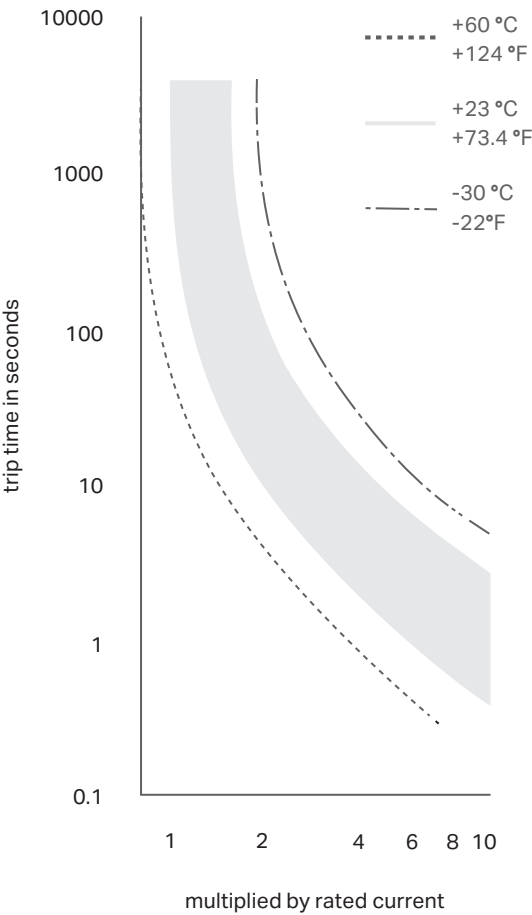
Miniaturized Thermal Automotive Circuit Breaker

Product width: 9.8 mm
On-off switch

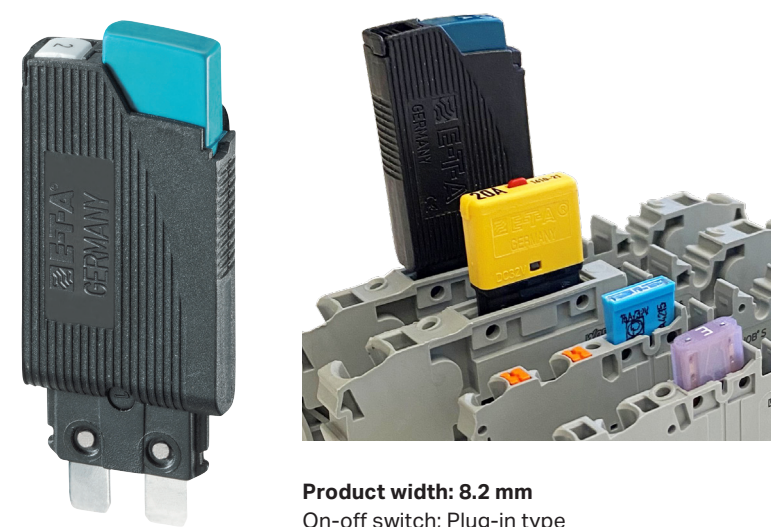
Item No.	Description	Units
60578697	15 A, 28 VDC	1
60577702	20 A, 28 VDC	1
60578698	25 A, 28 VDC	1

Technical Data	
Voltage Rating	DC 28 V
Current Ratings	3 ... 25 A (30 A upon request)
Typical Life	6,000 operations at I_N 3,000 operations at $2 \times I_N \leq 20$ A 1,000 operations at $2 \times I_N \leq 25$ A
Ambient Remperature	-30...+60 °C (-22...140 °F)
Vibration	3 or 4 A: 8 g (57-500 Hz) ± 0.65 mm (10-57 Hz) 5...25 A: 10 g (57-500 Hz) ± 0.76 mm (10-57 Hz) to IEC 60068-2-6, test Fc, 10 frequency cycles/axis
Shock	3 or 4 A: 35 g (11 ms)
	5...25 A: 50 g (11 ms)
	to IEC 60068-2-27, test EA
Corrosion	96 hours at 5% salt mist, to IEC 60068-2-11, test Ka
Humidity	240 hours at 95% RH to IEC 60068-2-3, test Ca

Typical time/current characteristics at +23 °C/+73.4 °F

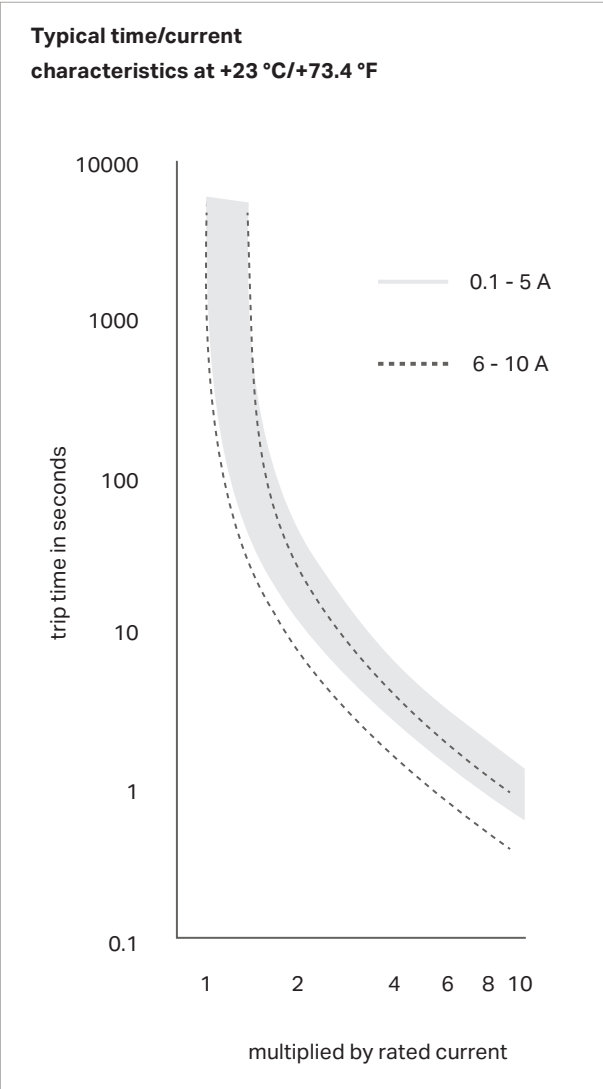


Thermal Circuit Breaker



Item No.	Description			Units
60578699	0.10 A	250 VAC	65 VDC	1
60578700	0.25 A	250 VAC	65 VDC	1
60578904	0.50 A	250 VAC	65 VDC	1
60415643	1.0 A	250 VAC	65 VDC	1
60494163	2.0 A	250 VAC	65 VDC	1
51012498	3.0 A	250 VAC	65 VDC	1
60577701	4.0 A	250 VAC	65 VDC	1
60578905	5.0 A	250 VAC	65 VDC	1
60508534	6.0 A	250 VAC	65 VDC	1
60588906	7.0 A	250 VAC	65 VDC	1
60538270	8.0 A	250 VAC	65 VDC	1
60529371	10.0 A	250 VAC	65 VDC	1

Technical Data		
Voltage Rating	AC 250 V; DC 65 V	
Current Ratings	0.1...10 A	
Typical Life	3,000 operations at 1 x IN	
Rated Voltage	(low-resistive) 500 operations at 2 x IN (inductive)	
Ambient Temperature	-20...+60 °C (T 60) -4...+140 °F	
Insulation Co-Ordination (IEC 60664 and 60664A)	Rated Impulse Withstand Voltage	Pollution Degree
	2.5 kV	2
	Reinforced insulation in operating area	
Insulation Resistance	>100 MΩ (DC 500 V)	
Interrupting Capacity	AC 250 v 2,000 A	
(UL 1077)	DC 65 V: 200 A	
Vibration	5 g (57-500 Hz) ±0.38 mm (10-57Hz) to IEC 60068-2-6, test Fc 10 frequency cycles/axis	
Interrupting Capacity	AC 250 V: 2,000 A	
Shock	25 g (11 ms) to IEC 60068-2-27, test Ea	
Corrosion	96 hours at 5% salt mist, to IEC 60068-2-11, test Ka	
Humidity	240 hours at 95% RH to IEC 60068-2-3, test Ca	



Thermal Automotive Circuit Breaker

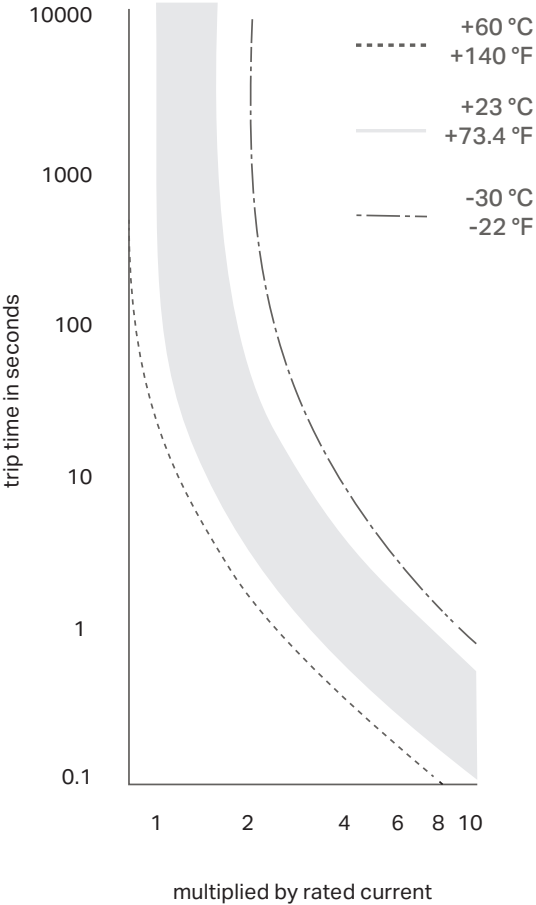


Product width: 6 mm
Standard fuse block mounting
Color housing

Technical Data	
Voltage Rating	DC 32 V
Current Ratings	6 ... 30 A
Service Short-Circuit Breaking Capacity	300 operations at ≤ 50 A
Ambient temperature	-30...+60 °C (-22...140 °F)
Ultimate Short-Circuit Breaking Capacity	≥ 3 break operations at 150 A, or 1 break operation at 2,000 A
Vibration (with mounting socket 12)	5 g (57-500 Hz) ±0.38mm (10-57 Hz) to IEC 60068-2-6, Test Fc,
Shock (with mounting socket 12)	10 frequency cycles/axis 25 g (11 ms) to IEC 60068-2-27, Test EA
Corrosion	96 hours at 5% salt mist, to IEC 60068-2-11, test Ka
Humidity	240 hours at 95% RH to IEC 60068-2-3, test Ca

Part No.	Description	Units
60404858	15 A, 28 VDC	1
51014617	20 A, 28 VDC	1
60578698	25 A, 28 VDC	1
60404899	30 A, 28 VDC	1

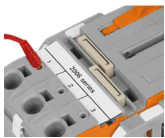
Typical time/current characteristics at +23 °C/+73.4 °F



Modular design allows for combination of breakers, fuses, and disconnect terminal blocks in the same footprint.

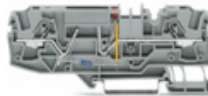
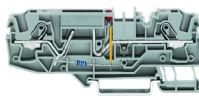











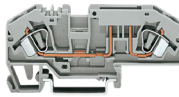
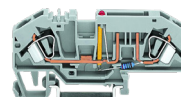










Compatible terminal blocks in both WAGO Classic & TOPJOB® S terminal block families.



Easy commoning via push-in jumpers. Test slots are available on both sides of the terminal for direct measurement.

Compatible Terminal Blocks

Type	Series	Part Number		Width	Cross Section	V/A		
TOPJOB® S Automotive Fuse or Circuit Breakers	2006 or 2206 (new!)	2006-1681 	2006-1681/xxx-xxx 	7.5mm*	20-8 AWG	30 A/ 600 V	Various UL rated versions available	
ACESSORIES								
	Series	Description		Width		V/A		
End & Intermediate Plates	2006	2006-1691 gray 	2006-1692 orange 	1mm				
Push-In Type Jumper Bar (insulated)	2006	2006-402 2-way; light gray 	2006-403 3-way; light gray 			I _N 41 A	Test plug adapters & modular connectors for jumper slots are available for TOPJOB® S family	
		2006-404 4-way; light gray 	2006-405 5-way; light gray 			I _N 41 A		
		2006-433 1 to 3; light gray 	2006-434 1 to 4; light gray 					
		2006-435 1 to 5; light gray 						
Marking Solutions	2009	2009-110 Continuous Strip 	2009-115 WMB Inline 	11mm; 5.2mm			Marked with Smart-PRINTER (custom & pre-printed marker cards also available)	
TOPJOB® S Classic Automotive Fuse or Circuit Breakers	282	282-696 	282-698/281-xxx** 	8mm*	24-10 AWG	30 A/ 600 V	Various UL rated versions available	
ACCESSORIES								
	Series	Description						
End Plate	282	282-334 gray 	282-333 orange 	2mm				
Adjacent Jumper (insulated)	282	282-402 gray 	282-422 yellow-green 		I _N 41 A			
Alternate Jumper (insulated)	282	282-409 gray 						
Test Plug Adapter (for 4mm Ø plug; for 1.5 ... 10 mm² terminal blocks)	209	209-170 gray 		8.3mm				
B-Type Test Plug Module (snaps together)	709	709-310 gray 		8mm				
Marking Solutions	2009	2009-115 WMB Inline 		5.2mm			Marked with Smart-PRINTER (custom & pre-printed marker cards also available)	

* May require end plate for use with pluggable circuit breakers. (Take note of terminal block width and circuit breaker width.)

** Available with indication; contact factory for part number suffix.

(1) The electrical data is defined by the fuse and blown fuse indication respectively.

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