
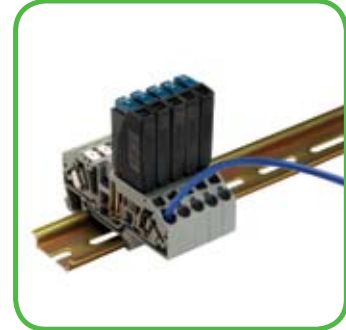
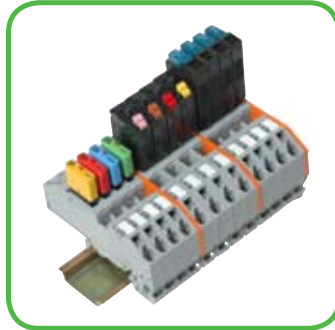
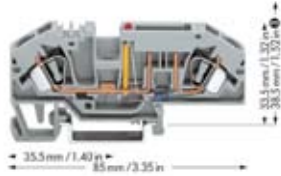



# DIN Rail Mount Pluggable Thermal Circuit Breakers

Conductor Range:	AWG 24 - 10 AWG (stranded and solid)	Terminal Block Width:	8 mm / 0.315 in
		Strip Length:	 12 - 13 mm / 0.49 in
Electrical Specs:	600 V maximum* 25/30 A maximum*	*Current / Voltage limited to circuit breaker specifications. Consult factory for other ratings.	




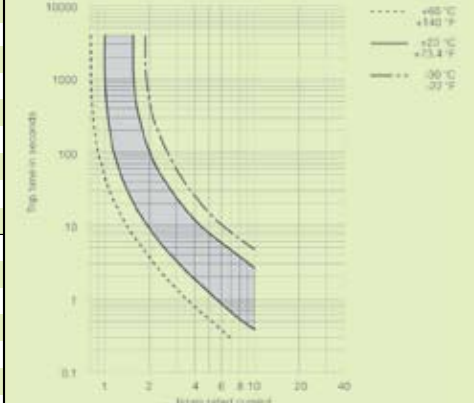
DIN rail mount pluggable miniature **thermal circuit breakers** are used for protection of power distribution systems, automation systems, and process control applications. These wide variety of circuit breakers have unique characteristics that tailor to the needs and performance of many different applications.


The WAGO circuit breaker terminal block uses CAGE CLAMP<sup>®</sup> connection technology that reduces wiring time and provides a connection that is corrosion-resistant, temperature cycling resistant and maintenance-free. An excellent alternative to traditional fusing methods.

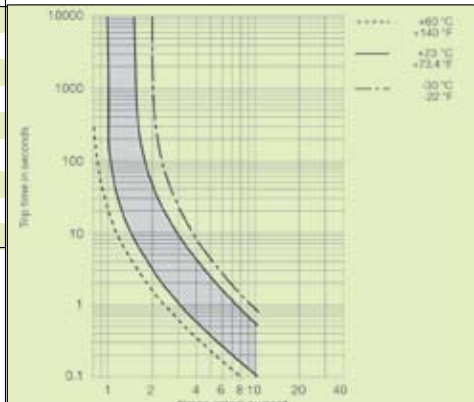
	<b>Technical Data</b>		
	Voltage rating: AC 250 V; DC 65 V Current ratings: 0.1...10 A Typical life: 3,000 operations at 1 x I <sub>N</sub> (low-resistive) 500 operations at 2 x I <sub>N</sub> (inductive) Ambient temperature: -20...+60°C (T 60) -4...+140°F Insulation co-ordination: (IEC 60664 and 60664A) Rated impulse withstand voltage 2.5 kV 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 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	


Description	Item No.	Pack.-unit pcs	Typical time/current characteristics at +23°C/+73.4° F
Thermal circuit breaker, plug-in type, push button reset			
0.10 A AC 250 V DC 65 V	51014625	1	
0.25 A AC 250 V DC 65 V	51011135	1	
0.5 A AC 250 V DC 65 V	51011136	1	
1.0 A AC 250 V DC 65 V	51011137	1	
2.0 A AC 250 V DC 65 V	51011138	1	
3.0 A AC 250 V DC 65 V	51011139	1	
4.0 A AC 250 V DC 65 V	51011140	1	
5.0 A AC 250 V DC 65 V	51017673	1	
6.0 A AC 250 V DC 65 V	51011141	1	
7.0 A AC 250 V DC 65 V	51014524	1	
8.0 A AC 250 V DC 65 V	51011142	1	
10.0 A AC 250 V DC 65 V	51011143	1	
Thermal circuit breaker, plug-in type, on-off switch, switching duty rated			
0.10 A AC 250 V DC 65 V			
0.25 A AC 250 V DC 65 V	51012494	1	
0.5 A AC 250 V DC 65 V	51012495	1	
1.0 A AC 250 V DC 65 V	51012496	1	
2.0 A AC 250 V DC 65 V	51012497	1	
3.0 A AC 250 V DC 65 V	51012498	1	
4.0 A AC 250 V DC 65 V	51012499	1	
5.0 A AC 250 V DC 65 V	51012500	1	
6.0 A AC 250 V DC 65 V	51012501	1	
7.0 A AC 250 V DC 65 V	51014523	1	
8.0 A AC 250 V DC 65 V	51012502	1	
10.0 A AC 250 V DC 65 V	51012503	1	

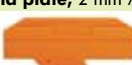





	<b>Technical Data</b>		<b>Vibration</b> 3 or 4 A: 8 g (57-500 Hz) ±0.65 mm (10-57 Hz) 5...25 A: 10 g (57-500 Hz) ±0.76 mm (10-57 Hz), to IEC 60068-2-6, test Fc, 10 frequency cycles/axis <b>Shock</b> 3 or 4 A: 35 g (11 ms) 5...25 A: 50 g (11 ms) to IEC 60068-2-27, test EA <b>Corrosion:</b> 96 hours at 5% salt mist, to IEC 60068-2-11, test Ka <b>Humidity:</b> 240 hours at 95% RH to IEC 60068-2-3, test Ca
	<b>Voltage rating:</b> DC 28 V <b>Current ratings:</b> 3...25 A (30 A upon request) <b>Typical life:</b> 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 <b>Ambient temperature:</b> -30...+60°C (-22...140°F) <b>Interrupting capacity <math>I_{CN}</math>:</b> 3...15 A 200 A 3...15 A 400 A 20...25 A 400 A		

<b>Description</b>	<b>Item No.</b>	<b>Pack.-unit pcs</b>	<b>Typical time/current characteristics at +23°C/+73.4° F</b>
Miniaturized thermal automotive circuit breaker, color coded, manual release			
15 A DC 28 V	<b>51014338</b>	1	
20 A DC 28 V	<b>51014339</b>	1	
25 A DC 28 V	<b>51014340</b>	1	
Miniaturized thermal automotive circuit breaker, on-off switch			
15 A DC 28 V	<b>51014689</b>	1	

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

<b>Description</b>	<b>Item No.</b>	<b>Pack.-unit pcs</b>	<b>Typical time/current characteristic curve</b>
Thermal automotive circuit breaker, color coded housing, standard fuseblock mounting			
15 A DC 28 V	<b>51016020</b>	1	
20 A DC 28 V	<b>51014617</b>	1	
25 A DC 28 V	<b>51014618</b>	1	
30 A DC 28 V	<b>51014619</b>	1	

<b>Base Terminal Blocks</b>	<b>Item No.</b>	<b>Description</b>	<b>Pack.-unit pcs</b>
	<b>282-696</b>	2-conductor circuit breaker terminal block, gray	25
	<b>282-698/281-413</b>	...with 24 V indicator, tripped circuit	25
	<b>51012247</b>	...with 110 V indicator, tripped circuit	25

<b>Accessories</b>	<b>Item No.</b>	<b>Pack.-unit pcs</b>	<b>Item No.</b>	<b>Pack.-unit pcs</b>	<b>Item No.</b>	<b>Pack.-unit pcs</b>		
<b>End plate, 2 mm /0.079 in thick</b> 	<b>282-333</b> orange	100 (4 x 25)	<b>Adjacent jumper, insulated, <math>I_N</math> 41 A</b> 	<b>282-402</b> gray	100 (4 x 25)	<b>Alternate jumper, insulated, <math>I_N</math> 41 A</b> 	<b>282-409</b> gray	100 (4 x 25)
	<b>282-334</b> gray	100 (4 x 25)		<b>249-116</b>	100 (4 x 25)		<b>210-112</b>	10
<b>Test plug adapter, for test plug 4 mm /0.157 in Ø</b> 	<b>209-170</b>	50 (2 x 25)	<b>End stop, for DIN 35 rail</b> 	<b>249-117</b>	50 (2 x 25)	<b>DIN Rail, 35 mm x 7.5 mm, slotted, 2 M long</b> 		

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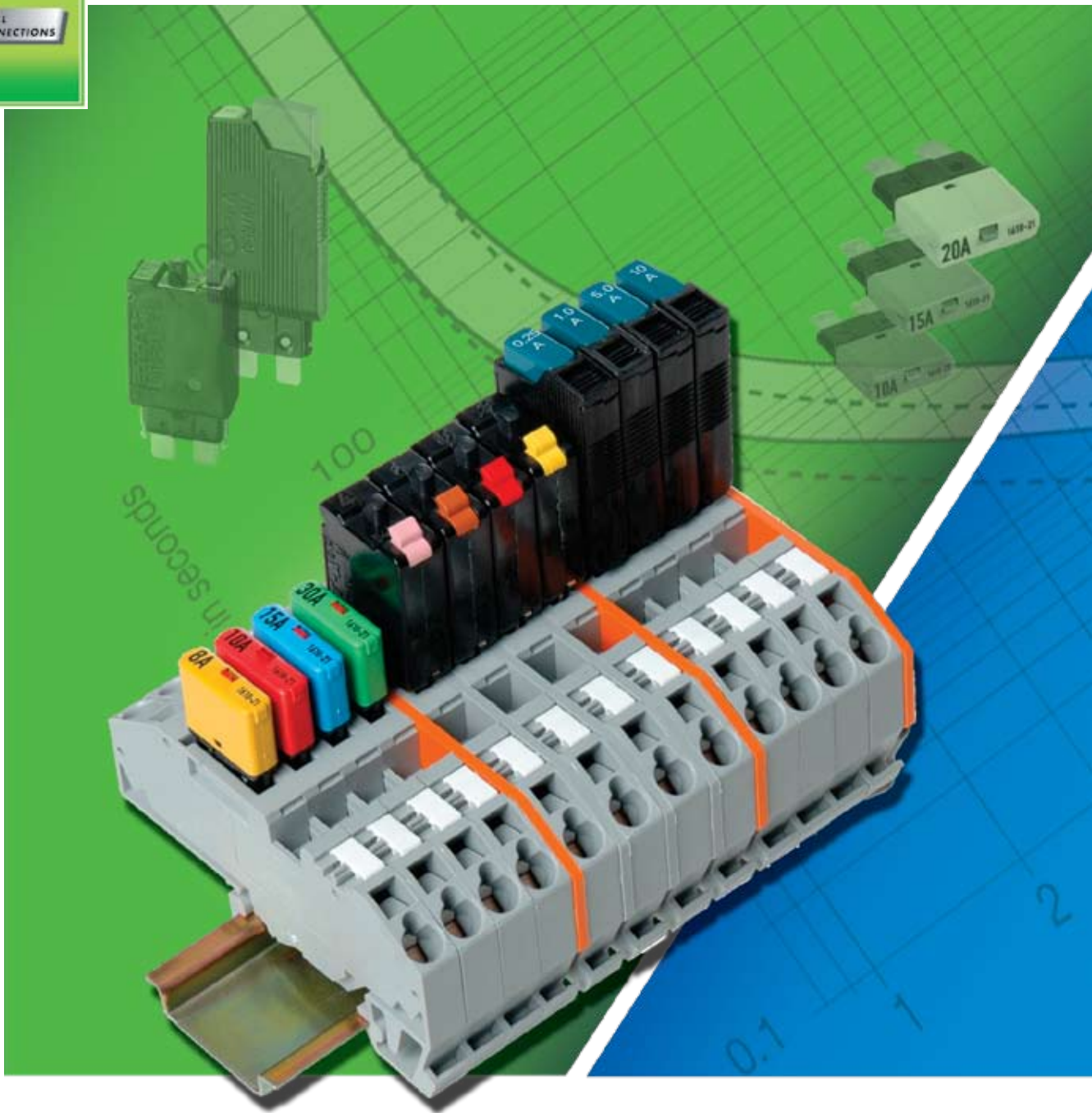
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INNOVATIVE CONNECTIONS



# • Circuit Breakers

- DIN Rail Mount Pluggable Circuit Breakers

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