

Description

Thermal circuit breaker, with controlled self-resetting mechanism, specially suited to installation in inaccessible locations. Under overload conditions the circuit breaker contacts will open to protect the load circuit. A low current excitation circuit ensures that the contacts remain open thereby avoiding the hazards of automatic reset operation. The circuit breaker is reset by switching off the supply circuit for a short period. Class 2 device, contacts stay open until voltage is removed. Type II to SAE J 553.

Typical applications

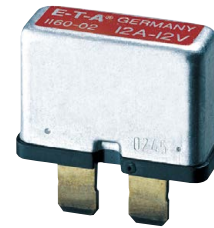
Automotive and marine extra low voltage wiring systems and components, battery powered appliances.

Ordering information

Type No.	
1160	single pole plug-in type
Design standard	
02	standard version 12 V
Current ratings	
12, 15, 20, 30 A	
1160 - 02 - 12A	ordering example

Standard current ratings and typical voltage drop values

Current rating (A)	Voltage drop (mV)
12	< 150
15	< 150
20	< 150
30	< 150



1160-...

Technical data

Voltage rating	DC 12 V
Current ratings	12...30 A
Typical life	300 operations at $2 \times I_N$
Ambient temperature	-30...+60 °C (-22...+140 °F)
Holding current	< 0.6 A
Reset time at 23°C after 5 s of load with U_N	< 35 sec
Interrupting capacity (o-o-o)	200 A, L/R = 2.5 ms
Degree of protection (IEC 60529/DIN 40050)	housing area IP54 terminal area IP00
Vibration	5 g (57-500 Hz) $\pm$ 0.38 mm (10-57 Hz), 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 60068-2-78, test Cab
Mass	approx. 6 g

