

Safety thermal cut-out 89.00

SAFETY THERMAL CUT-OUT 89.00

Application

For heat generators with temperatures up to 350°C.

Features

Electromechanical safety thermal cut-out (STB) with capillary sensor approved to DIN EN 14597 and EN 60730-1/2-9

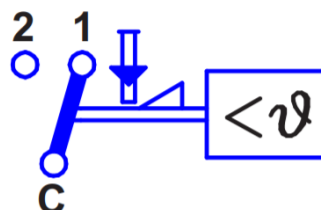
- If cut-out temperature is exceeded, circuit switches to OFF or changeover and stays in this position
- Fail safe design: Expansion liquid loss results in opening of contact C-1
- Manual resetting after sensing element has cooled by at least 10K
- Single-pole micro switch with in/off or change-over switch
- Time factor of sensing element better than DIN EN 14597
- Temperature compensated switching head
- Operation type 2.B.H.K.L.P (EN60730)
- RoHS – conform
- DIN CERTCO Registernumber: TR1107

Technical parameters

Switching system	
Endurance class	1.000 operations
Nominal voltage/current 250 V AC	C-1 C-2 16 (3,5) A 4 (0,6) A
Protection against electric shock	For incorporation in class I equipment I
Protection standard of housing	IP 00 (EN 60 529)
Overvoltage category	II
Range of application	
Cut-out temperature	60 ... 350°C
-fixed adjustment	110 ... 85°C; 120 ... 95°C
-adjustable	130 ... 100°C
Max. sensing element temp.	$t_{\text{aus}} + 25\text{K}$
Ambient temperature at switching head	Max. 85°C (T85)
Storage and transport temperature	-25 ... +60°C
Calibration	
Calibrated for ambient temperature at switching head	23°C or 50°C (Tu23/Tu50 according to DIN EN 14597)
Calibration tolerance	• 4K, max 6%
Drift	2 K
Time factor in water/in oil	<45s / <60s
Design	
Capillary and sensing element	Copper/stainless steel
Capillary length	500 ... 3500 3, 4, 5, 6, 6.5, 7, 8
Phial forms -round, diameter -half-, third-, quarter circle	9.5, 10, 11, 12 mm
Diaphragm	Stainless steel
Connection and earthing terminals	Tab terminal A6.3x0.8 according to DIN46244

STB 89.00 is always delivered in the off state.

Connection scheme



Storage conditions

Safety thermal cut-out may be stored in enclosed ventilated spaces in the temperature range of -25 to +60°C with relative humidity of max. 70%. Protect the thermal cut-out from impacts.

Disposal

"This device is subject to a special waste management regime under the Waste Act as amended"

Possible minor faults and their removal

The safety thermal cut-out may be repaired only by the manufacturer.

Warranty

Provided that the TKS is installed and used in accordance with the instructions in the installation and operating manual, the manufacturer warrants the thermal cut-out in accordance with the current law, unless otherwise agreed.

The manufacturer will refuse the warranty if the device has been damaged:

- During transport and storage by the purchaser or his customers
- During assembly or disassembly in the purchaser's or his customer's appliance
- During incompetent handling and installation on another appliance than stated in the manual
- Of the thermal cut-out was in different environment than stated in the manual

Warranty and pos-warranty repairs

All repairs are provided by the manufacturer. Wrap the faulty product and ship to the address below:

APATOR POWOGAZ CZECHIA s.r.o.

Havlíčková 919/24
787 01 Šumperk
Czech Republic

Tel.: 583 718 261
E-mail: prodej@metra-su.cz
www: www.metra-su.cz