Zertifiziertes QM-System DIN EN ISO 9001 Reg.Nr. 95046

Thermal Reed Switches for Temperature Monitoring and Setpoint Control

measuring • monitoring • analysing

- Excellent repeatability
- Long service life
- Hysteresis ≤ 10 °K
- Tolerance ± 5 °K
- Material: brass or stainless steel
- Connection: G 1/4 to G 1
- Switch points: 10°C to 120°C

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Model:
TRS

01/0105/Ko/10

Description

Thermal reed switches are used for temperature monitoring and control. They are characterised by their long service life and operational reliability.
A particular advantage is their excellent repeatability, as thermal reed switches are practically insensitive to the service environment. In contrast to bimetal thermostats, for example, the switch point is not affected by the load current.
The thermal reed switches of type TRS are supplied in a robust housing made of brass or stainless steel with G 1/4 to G 1 internal thread on both sides and with a 1.5 m silicone sheathed cable. They are thus also suitable for service in rough conditions.
The temperature contacts have a fixed switch point in intervals of 5°C over the range 10°C to 50°C, and in intervals of 10°C over the range 50°C to 120°C and are designed as N/C contacts.

Application

The thermal reed switches of type TRS are suited for universal use. They can be used in applications where temperature monitoring or control is required.

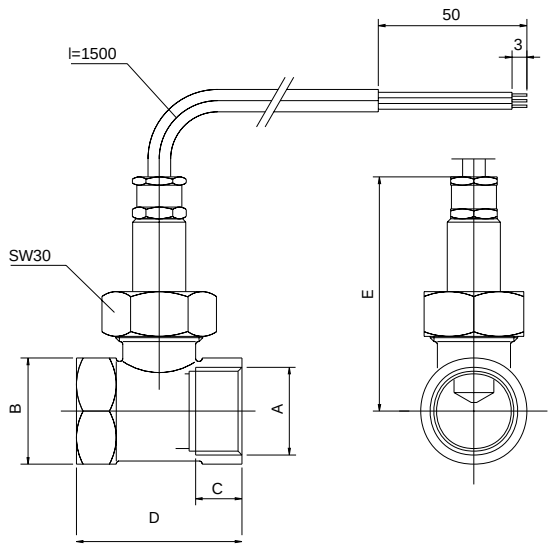
Dimensions

A	B (mm)	C (mm)	D (mm)	E max. (mm)
G 1/4	27	10	50	77
G 3/8	27	10	50	77
G 1/2	27	10	50	77
G 3/4	32	15	52	78
G 1	39	15	56	81

Technical Details

Material:	
Housing:	brass or stainless steel
Seal:	FPM
Cable:	1.5 m silicone sheathed cable, (longer cable upon request)
Pressure:	brass PN16 version st. st. 25 version
Allowed medium temperature:	-40°C +120°C
Tolerance:	±5°C
Resetting hysteresis:	≤ 10°C
Contact:	N/C contact with rising temperature
Contact loading:	max. 10 W / 12 VA
DC voltage:	max. 100 V
AC voltage:	max. 120 V
Permanent current:	max. 1 A
Make current:	max. 0.5 A
Ex-range:	ATEX zone as "simple operator"

We recommend service contact protection relays for switching with higher currents and for mains operation 230 V (see brochure Z2).



Order Details (Example: TRS-1108 010)

Connection female thread	Houing material Brass	St. Steel	Switch point N/C contact with rising temperature)	
G 1/4	TRS-1108..	TRS-1208..	...010 = 10°C	...050 = 50°C
G 3/8	TRS-1110..	TRS-1210..	...015 = 15°C ...020 = 20°C	...060 = 60°C ...070 = 70°C
G 1/2	TRS-1115..	TRS-1215..	...025 = 25°C ...030 = 30°C	...080 = 80°C ...090 = 90°C
G 3/4	TRS-1120..	TRS-1220..	...035 = 35°C	...100 = 100°C
G 1	TRS-1125..	TRS-1225..	...040 = 40°C ...045 = 45°C	...110 = 110°C ...120 = 120°C

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