

TSA Bimetal temperature switch



All fluid containing systems used as hydraulic power packs or for lubrication need to limit the minimum and maximum temperature of the fluid.

The TSA switches use bimetal contacts with settings ranging 25 °C up to 80 °C installed in anodised aluminium housing. The contacts are normally open (NO) on rising temperature.

Please note that for applications with temperature settings close to ambient temperatures the hysteresis of the TSM might not allow the contact to reset. In such cases we recommend our Thermotronic LC1.

- **Rugged design**
- **Electrical insert easy to remove**
- **DIN connector allows adjustment of cable orientation in 90 ° steps**
- **Elastomer seal fitted as standard**

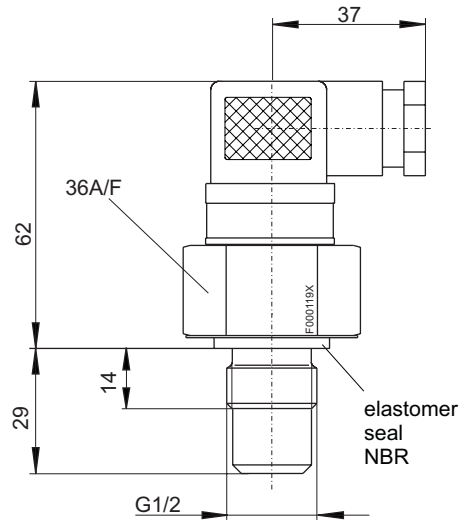
technical data

switch	bimetal trip
switching function	NO = normally open
switch over temperature	25 to 80 °C
length of probe	29 mm
probe material	aluminium anodized
max. operating pressure	15 bar
max. operating temperature	- 40 °C to + 80 °C

temperature contact

max. operating voltage	230 V AC
max. current	2 A
max. contact rating	100 VA
tolerance	± 5 K
hysteresis	15 K ± 3 K

		Typ*
switch point	25 °C	TSA-25
	40 °C	TSA-40
	50 °C	TSA-50
	60 °C	TSA-60
	70 °C	TSA-70
	80 °C	TSA-80



other settings upon request

*The temperature contacts are all "make contacts" (NO).
All figures are at rising temperature.

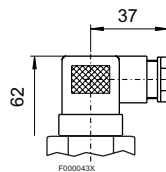
connectors

M3
3 pol. + PE
DIN 43650

protection class
cable gland

IP 65
PG 11

other connectors upon request



max. current

230 V AC/DC

order information

part-no.

with connectors	M3
TSA-25	1139699
TSA-40	1139599
TSA-50	1138599
TSA-60	1138699
TSA-70	1138799
TSA-80	1139299

order information:

you need : Temperature switch with make contact at 50 °C, connector type M3

you need : part-no. 1138599 Temperature switch TSA-50-M3