

TSK Bimetal temperature switch



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

The TSM series of switches have bi metal contacts with a range of different settings and contact functions. Either one or two contacts are inserted into a brass housing.

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 using our Thermotronic LC1.

The TSM can be fitted with DIN or M12 connector terminals .

- **Rugged design**
- **Electrical insert easy to remove**
- **DIN or optional M12 connector**
- **Elastomer seal fitted as standard**
- **DIN connector allows adjustment of cable orientation in 90 ° steps**

technical data

types	TSK-1 = with one temperature contact TSK-2 = with two temperature contacts
switch	bimetal trip
switching function	NC or NO*
switch over temperature	50 to 80 °C
length of probe	L max. = 1000 mm
probe material	brass
max. operating pressure	1 bar
max. operating temperature	-40 °C to +80 °C

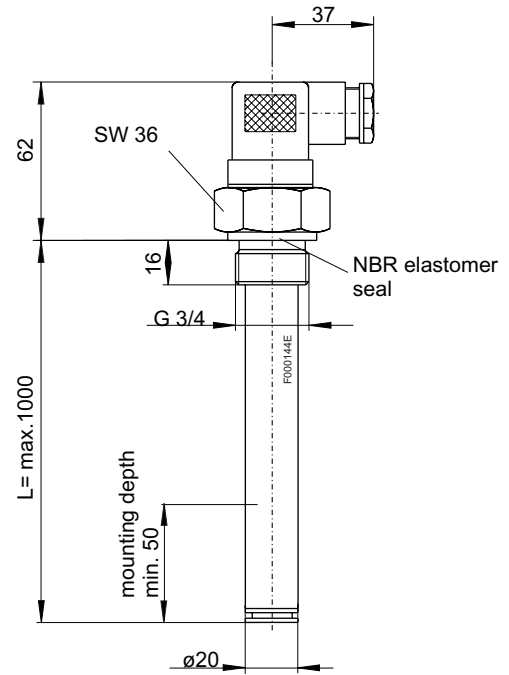
temperature contact

max. operating voltage	230 V
max. current	2,5 A
max. contact rating	100 VA
hysteresis	10 K ± 5 K

		NC*	Art.-Nr.	NO*	Art.-Nr.
switch point	45°C	TKÖ-45	1851499	TKS-45	1864999
	55°C	TKÖ-55	1851599	TKS-55	1852199
	65°C	TKÖ-65	1851699	TKS-65	1852299
	75°C	TKÖ-75	1851799	TKS-75	1852399

other settings upon request

* NC=normally closed / NO=normally open, all figures shown are for rising temperature



connector	M3 3 pol. + PE DIN 43650	M12 (socket) 4 pol.
protection class	IP 65	IP 67**
cable gland	PG 11	PG 7**
other connectors upon request		**with plug fixed
max. current	 F000043X 230 V AC/ DC	 F000040X 24 V DC

order information

part-no. of the basic version, L=variable

	M3	M12 (socket)	length
with connector			
TSK-1 G3/4	1137199	1137399	L=...mm
TSK-2 G3/4	1137299	1137499	L=...mm

order example:

you need: length L= 300 mm, two temperature contacts, first contact NC at 50 °C, second contact NO at 70 °C, connector type M3

you order: part-no. 1137299 temperature switch TSK-2-G3/4-M3 with TKÖ-50 / TKS-70