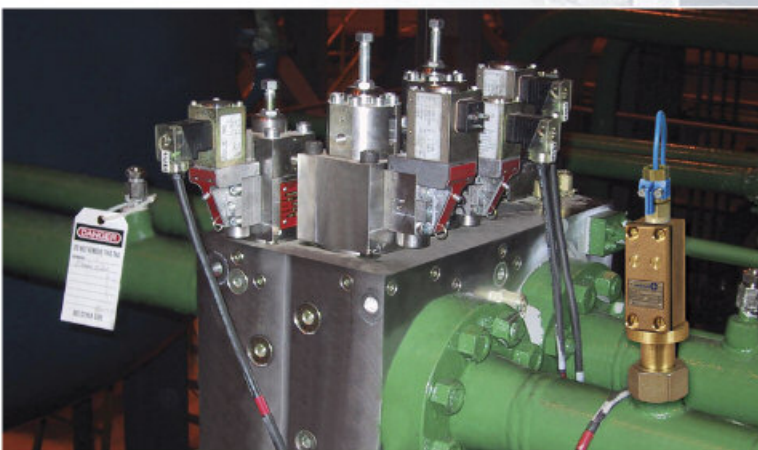




## Temperature switch **iTA395**

for monitoring temperatures  
in fluids

- Rugged and maintenance-free design
- Fastening options screw-in thread or cap nut
- Switching temperature: 50°C up to 120°C
- Optionally analogously temperature measurement
- Connection via terminals
- Resistant to aggressive media
- Type of protection: IP 54 according to EN 60529/IEC 529
- I M2 EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

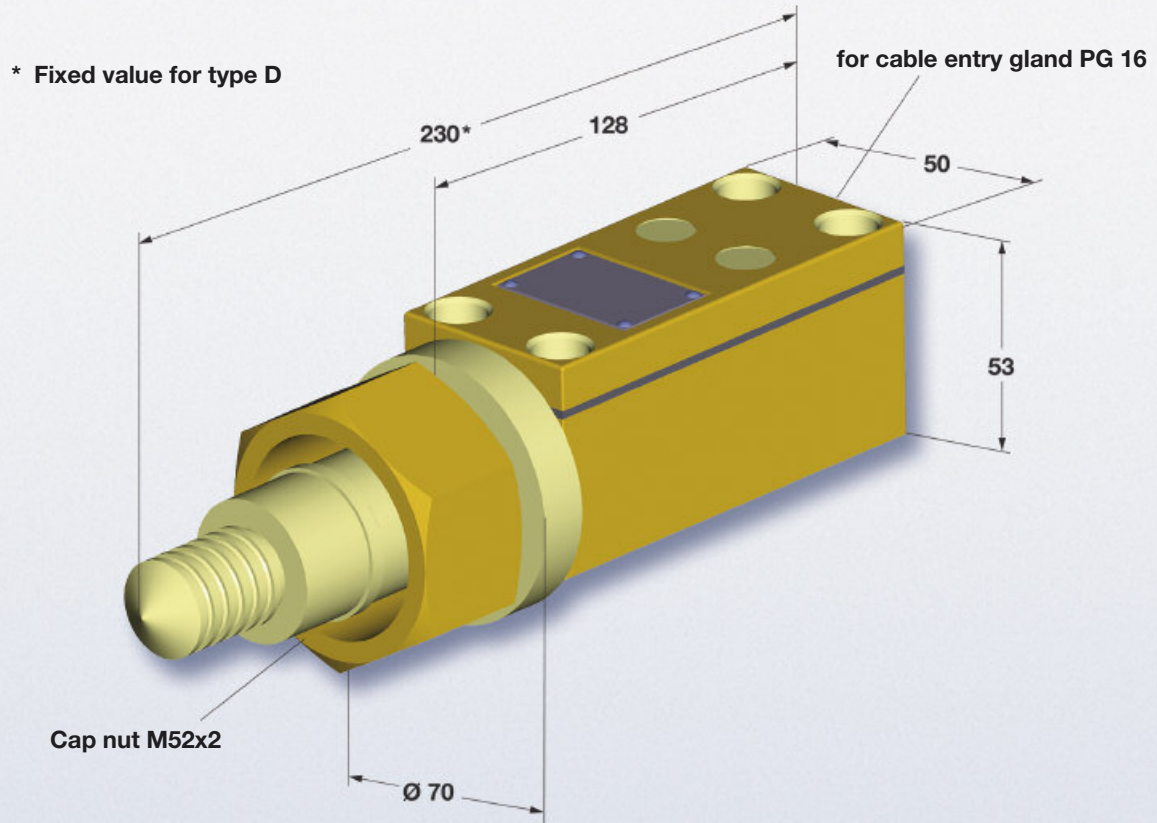


**Monitoring the temperature  
of the hydraulic fluid  
in a 2/2 way-valve**

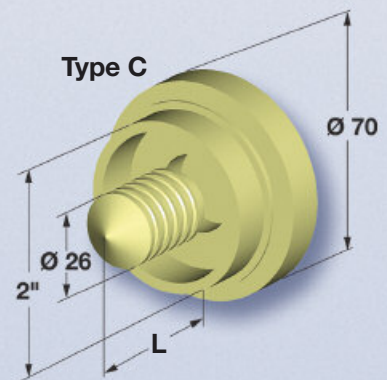
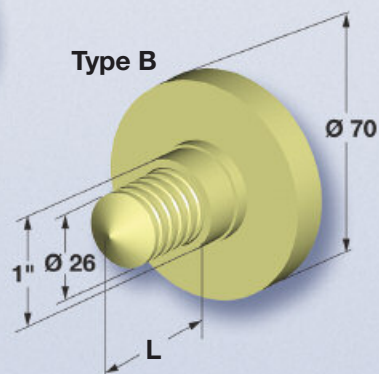
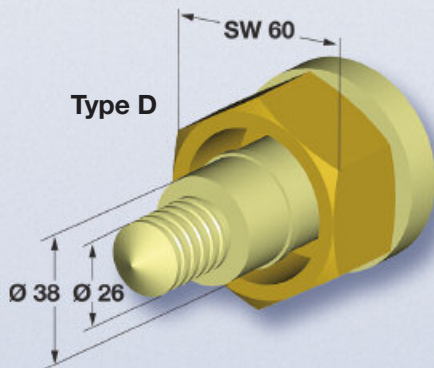


# iTA395

\* Fixed value for type D



L = Probe tube length (freely selectable for types B and C)





## iTA395

### FUNCTION AND DESIGN

The switch is designed for monitoring temperatures in housings or fluid media.

Up to two thermal contacts with fixed switching point or up to two PT100 elements can be installed into the probe tube as monitoring elements. These elements are embedded in cast resin in the lower part of the probe tube. This arrangement ensures adequate safety with respect to explosion protection and mechanical damage.

The probe tube of the thermal sensors type B and C is available with a length from 50 mm in differently graduations.

If other lengths of the temperature switch type D are required an inquiry should be sent.

### Application

- As it is provided with a threaded connector the switch is ideally suited for installation into housing walls, e.g. for monitoring gearbox temperatures.



# iTA395

## TECHNICAL DATA

Temperature contact	2 normally closed contacts max.
Switching temperature	50 °C to 120 °C
Tolerance	± 5K
Hysteresis	30 K ± 15 K
Continuous temperature measurement	2 PT100 elements max.
Probe tube length	Type B and C: from 50 mm; Type D: 59 mm
Tube diameter	12 mm
Thread	Type B: G1; Type C: G2; Type D: cap nut M52x2
Type of connection	plug-type
Type of protection	IP 54 according to EN 60529/IEC 529
Ex-approval	I M2 EEx ia I acc. to Directive 94/9/EC
Certificate number	BVS 03 ATEX E404

## TYPE CODE AND ORDERING INFORMATION

<b>* T A 395 K ** *** - ** *** - * L</b>	Probe tube length in mm
	Screw-in thread: B > G1 C > G2 D > cap nut M52x2
	Response temperature °C / optionally PT 100
	Switching contact: 10 > NO 15 > NO NAMUR 20 > NC 25 > NC NAMUR
	Response temperature °C / optionally PT 100
	Switching contact: 10 > NO 15 > NO NAMUR 20 > NC 25 > NC NAMUR
	Type of connection: terminal
	Series
	Design acc. to ATEX
	Temperature switch
	i > intrinsically safe w > non-explosionproofed version

## TYPICAL EXAMPLE

<b>iTA395K20090-10120CL=50mm</b>	■ Intrinsically safe temperature switch acc. to ATEX	■ 2. Switching contact: NO with response temperature 120 °C
	■ Connection via terminal	■ Housing with screw-in thread G2
	■ 1. Switching contact: NC with response temperature 90 °C	■ Probe tube length: 50 mm

Subject to technical alterations · Version 10/13