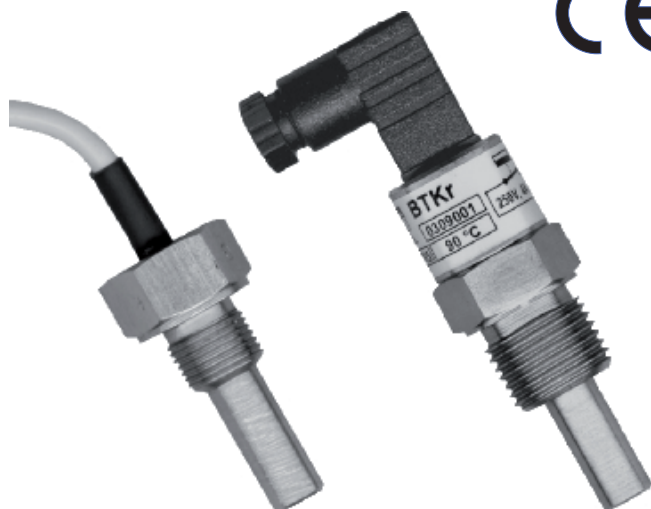


Type 02845, 02846



BTK - bimetal temperature protection

- with connector
- with cable 1,6 m (custom made)

Characteristics

Bimetal switch or disconnecting contact
Compact design (stainless steel)
Mounting in the weld-on-piece

Description - use

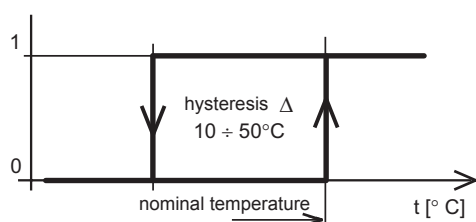
Temperature protection range **BTK** forms encased bimetal contact embedded in special material to stem bottom from stainless steel. The connection is provided by silicone cable or connector attached to stainless screws. It is produced with connecting and disconnecting contact (BTKs or BTKr) for complete temperature range.

The BTK protection are not suitable for disassembly and are assembled by screwing to weld.

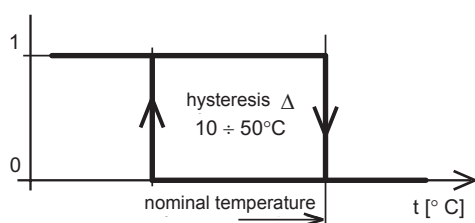
Considering the hysteresis connection size, these devices are suitable only for the device protection from overheating and not temperature regulation!

Technical data

Rated temperature: 45 to 120°C
Accuracy: $\pm 5^\circ\text{C}$
Hysteresis Δ : $10 \div 50^\circ\text{C}$
Outlet: switch or disconnecting contact
 250 V, 50 Hz, 4 A
Service life: 1 A - 30 000 cycles, 4 A - 10 000 cycles
Insulation solidity: 2 300 V~
Classification: device of protection class II
 (ČSN EN 61 010-1)
Protection type: strengthened insulation
Connection: Connector cable $\varnothing 4 \div 6$ mm, 0.75 mm²
 silicone cable: $\varnothing 6$ mm, 0.5 mm², 1.6 m
Operating temperature: 130°C max.
Max. overpressure: 4 MPa
Ingress protection: IP 65

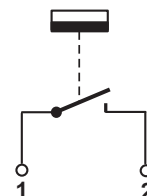


Connection of **BTKs** with connection contact

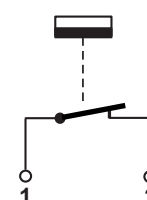


Characteristics of **BTKr** with disconnection contact

Terminal connection



Connection of **BTKs** with connection contact

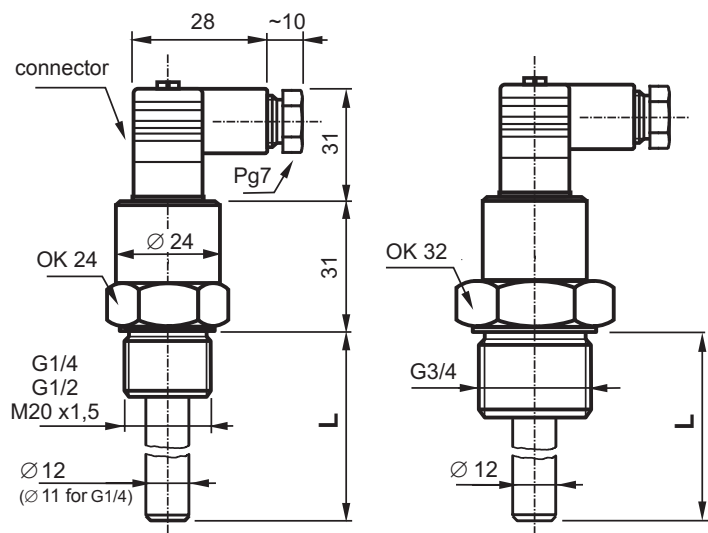


Connection of **BTKr** with disconnection contact

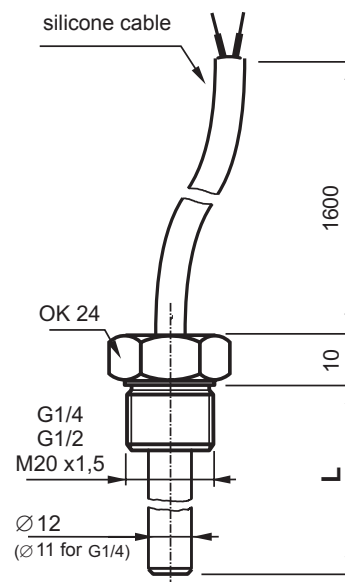
Due to continual technical development the manufacturer reserves the right to change parameters without prior notification.

Dimension drawing

Material: stainless steel 1.4541



Temperature protection BTK with connector



Temperature protection BTK with silicone cable

Conditions for assembly and connection

Mounting and connection of protection BTK can only be performed by a person qualified according to Decree no. 50/78 upon observing all applicable regulations.

Ordering devices

Code	Name			
40 02845 9	Bimetal temperature protection BTK with connector			
	Code	Function(s)		
	1	switching (custom made) BTK s		
	2	disconnection BTK r		
		Code	Thread	
		0	G 1/4 - stem only 40 mm	
		1	G 1/2	
		2	M 20 x 1,5	
		3	G 3/4	
			Code	Stem [mm]
			4	40
			6	60
			7	100
			8	160
			9	250
			Code	Temperature
			04	45 °C
			05	50 °C
			06	60 °C
			07	70 °C *)
			08	80 °C
			09	90 °C *)
			10	100 °C
			11	110 °C *)
			12	120 °C
40 02845 9	2	1	2	07

*) Standard temperatures

Order example: 1 temperature protection with connector BTKr, disconnection contactt, thread G1/2, stem 20 mm, temperature 70°C.

Warranty

24 months warranty is provided from the delivery date unless specified otherwise in the purchase contract.

Code	Name			
40 02846 9	Bimetal temperature protection BTK with cable			
	Code	Function(s)		
	1	switching (custom made) BTK s		
	2	disconnection BTK r		
		Code	Thread	
		0	G 1/4 - stem only 40 mm	
		1	G 1/2	
		2	M 20 x 1,5	
		3	G 3/4	
			Code	Stem [mm]
			4	40
			6	60
			7	100
			8	160
			9	250
			Code	Temperature
			04	45 °C
			05	50 °C
			06	60 °C
			07	70 °C *)
			08	80 °C
			09	90 °C *)
			10	100 °C
			11	110 °C *)
			12	120 °C
40 02846 9	2	1	6	09

*) Standard temperatures

Order example: 1 temperature protection with cable BTKr, disconnection contactt, thread G1/2, stem 60 mm, temperature 90°C.