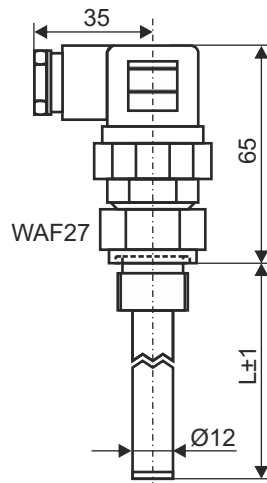


Data sheet

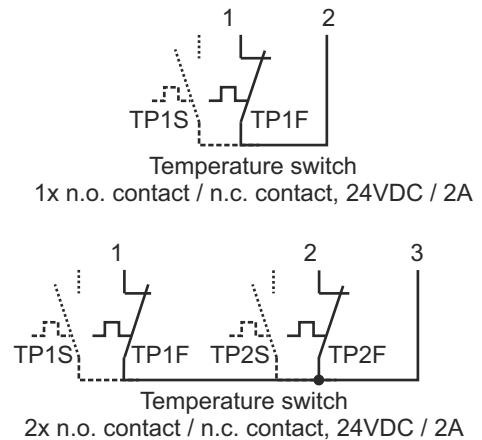
Temperature circuit breaker bi-metal $\pm 3^\circ\text{C}$

Type: TSB-1...

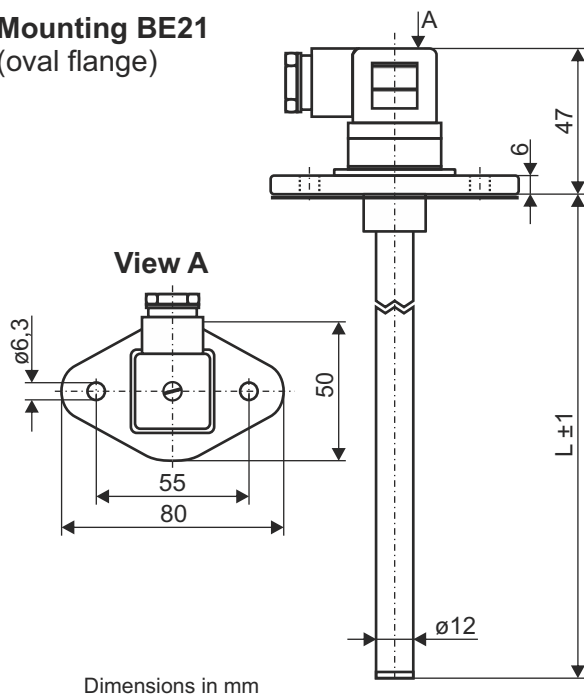
Mounting BE04 to BE16 (thread)



Terminal diagrams



Mounting BE21 (oval flange)



Order key

Example: TSB-1. AS08. BE15. RH09=150. TP1S=60. TP2F=68

Type TSB-1

Electrical connection
AS08: plug-type connection
3-pole, DIN EN 175301-803

Mounting
BE04: 1/2" alu
BE13: 3/8" brass
BE05: 3/4" alu
BE15: 1/2" stainless steel
BE16: 3/8" stainless steel
BE21: oval flange

Conduit RHxx = length L in mm
RH03: Ø12mm brass
RH09: Ø12mm stainless steel

Temperature switching point TPxF/S = temp. in $^\circ\text{C}$
x = 1, switching point 1
x = 2, switching point 2
normally closed contact: TP1F; TP2F
normally open contact: TP1S; TP2S

Technical data

Connection:	plug-type connection 3-pole + PE, DIN EN 175301-803 (DIN 43650), material PA
Mounting:	see order key, further mountings on demand
Seal for mounting BE17:	material NBR
Conduit:	Ø12mm, material brass or stainless steel 1.4571 length L ± 1 mm accord. to customer specification
Temperature switch	
Technology, no. of contacts:	bi-metal, max. 2x n.c. contacts / n.o. contacts
Temperature setting range:	30 $^\circ\text{C}$ to 125 $^\circ\text{C}$, other temperatures on demand
Tolerance:	$\pm 3\text{K}$
Reset temperature:	temperature switching point (TP) - 1 $^\circ\text{C}$
Switching capacity:	12VDC, 8A; 24VDC, 4A
Pressure:	with mounting BE17: atmospheric; with BE04 to BE16: max. 1 bar
Operating temperature:	-20 $^\circ\text{C}$ to temperature switching value T $\pm 5^\circ\text{C}$; -20 $^\circ\text{C}$ to 70 $^\circ\text{C}$ above mounting with mounting BE21: -20 $^\circ\text{C}$ to 100 $^\circ\text{C}$
Protection rating:	IP 65

Subject to change