

8455/4-1k Ω -0/10 Art. No. 218548



- Easy adjustment of desired value on the potentiometer
- Resistance range of 100 Ω to 1 M Ω , 2 W power
- Optional delivery with connection line or terminals

WebCode **8455A**



R. STAHL Series 8455 potentiometers are intended for installation in panels and are delivered with a connection line or with terminals. Their resistance is between 100 Ω and 1 M Ω , they are designed for 2 W power. The desired value can be adjusted easily and conveniently via the rotary actuator.

Technical Data

Explosion Protection

Application range (zones)	1 2
IECEX gas certificate	IECEX PTB 07.0001 U
IECEX gas explosion protection	Ex mb IIC T6 ... T5
IECEX dust certificate	IECEX PTB 07.0001 U
ATEX gas certificate	PTB 02 ATEX 2156 X
ATEX gas explosion protection	Ex II 2 G Ex mb IIC T6 ... T5
ATEX dust certificate	PTB 02 ATEX 2156 X
Certificates	ATEX (PTB), IECEX (PTB)

Electrical Data

Rated operational voltage AC	400 V
Rated operational power	2 W
Nominal value	1 k Ω
Maximum resistance $R_{\max}$	1000 Ω
Minimum resistance $R_{\min}$	100 Ω
Characteristic	Linear
Accuracy	20 %
Resistor material	Carbon composition

Ambient Conditions

Ambient temperature	-20 °C ... +40 °C (T6) -20 °C ... +55 °C (T5)
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Mechanical Data

Degree of protection (IP)	IP66
Degree of protection (IP) terminals	IP20
Enclosure material	Polyamide
Silicone-free	Yes
Depth of cut-out	130 mm
Rotary actuator labelling	0 ... 10

Control Devices

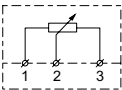
Potentiometer for panel mounting



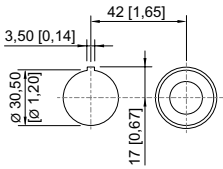
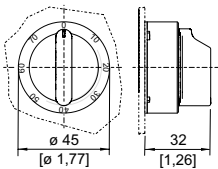
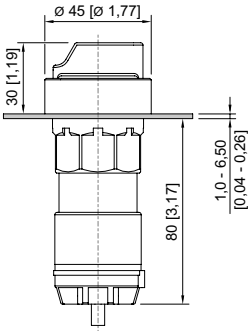
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Mechanical Data	
Adjustment range	270°
Torque	0,7 ... 2 Ncm
Impact resistance	100 Ncm
Weight	0.6 kg
Weight	1.32 lb
Mounting / Installation	
Connection type	Screw connector

Technical Drawings – Subject to Alterations



Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Drilling pattern: for aligning several devices Ø 38 mm, in a panel

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.