



Potentiometer Series 8208

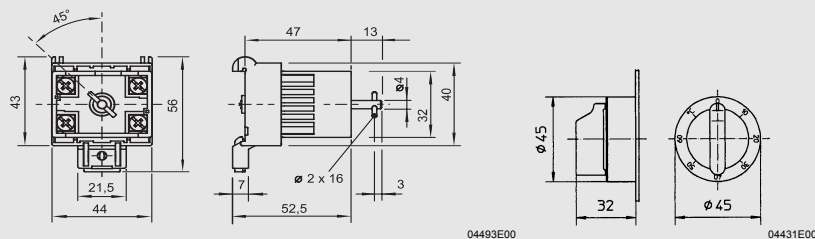
- Explosion protection to
 - CENELEC
 - IEC
- For use in Zone 1 and Zone 2
- Resistance values from 100 Ω up to 4,7 M Ω

01795E00

STAHL

The small Ex d enclosure 8208 can house potentiometers with a load capacity of 2 W.
For higher rated capacities, see potentiometer 8218.

Dimension drawings (all dimensions in mm) - subject to alterations



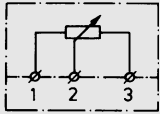
8208/24-08 Potentiometer

Potentiometer actuator
assembly code 92

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

Zones 1 & 2

Selection table				
Version	Assembly	Description	Ordering code	Weight kg
 8208/24 Potentiometer	8208A0096-24-08	Resistance values see add. to ordering code	8208/24-08-....	0,090
	Add. to ordering code: 1 kΩ 4.7 kΩ 10 kΩ 100 Ω 100 kΩ 1 MΩ 220 Ω 2.2 kΩ 22 kΩ 220 kΩ 2.2 MΩ 470 Ω 47 kΩ 470 kΩ 4.7 MΩ		 / ... -01K0 / ... -04K7 / ... -010K / ... -0K10 / ... -0M10 / ... -01M0 / ... -0K22 / ... -02K2 / ... -022K / ... -0M22 / ... -02M2 / ... -0K47 / ... -047K / ... -0M47 / ... -04M7	
 8602 Actuators	8602A0092-1-006	with scale 0 - 6	8602806167AA	0,030
	8602A0092-1-010	with scale 0 - 10	8602806167AB	0,030
	8602A0092-1-100	with scale 0 - 100	8602806167AC	0,030

Technical Data	
Explosion protection	II 2 G EEx de IIC / I M 2 Ex de I
Certificates	PTB 01 ATEX 1066 U
Enclosure material	Polyamide
Max. permissible voltage	max. 450 V DC
Resistance values	100 Ω ... 4,7 MΩ
Characteristic	linear
Resistance tolerance	± 20 %
Rated power	2 W
Material of resistor	Carbon composition
Schematic	
Adjustment scale	270 °
Torque	0,7 Ncm ... 2 Ncm
Impact resistance	≥ 100 Ncm
Ambient temperature	- 20 °C ... + 40 °C
Flexible lead	2 x 2,5 mm² flexible
Note	The switching capacity of the line side fuse of the potentiometer must be equal or larger than the maximum short circuit current (max. 3xI _B acc. to IEC 60127-2-1).