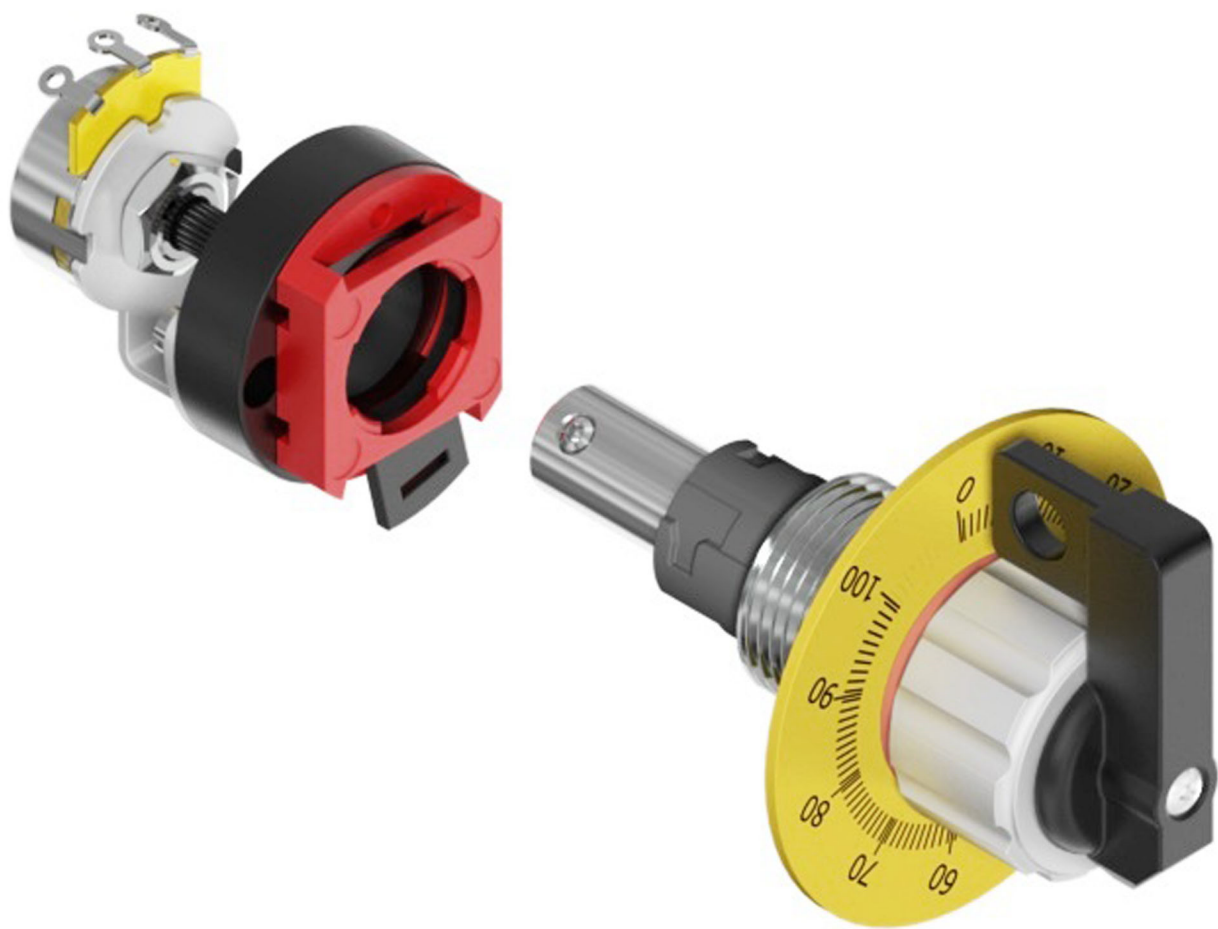


DIAL FOR SINGLE-TURN POTENTIOMETER

CBPCO



sermat **GRÜN**
ex



DIAL FOR SINGLE-TURN POTENTIOMETER

TECHNICAL DATA



TECHNICAL SPECIFICATION

TYPE OF PROTECTION	Ex "d" - Flameproof Ex "tb" - Dust ignition protection	Explosion proof Dust ignition proof	Ex "d" - Flameproof Ex "tb" - Dust ignition protection
MARKING	Ex d IIC Gb Ex tb IIIC Db	Class I, Groups B, C, D Class II, Groups E, F, G Class III	II 2 G Ex db IIC / IIB +H ₂ Gb II 2 D Ex tb IIIC Db
AREA OF APPLICATION	Zone 1 Zone 2 Zone 21 Zone 22	Class I, Div 1 & 2, Groups B, C, D. Class II, Div 1 & 2, Groups E, F, G. Class III	Zone 1 Zone 2 Zone 21 Zone 22
INGRESS PROTECTION	IP66W (W: salt spray)	Type 4X	IP66W (W: salt spray)
TEMPERATURE RANGE	-50°C to 60°C (-40°F to 158°F)	-50°C to 60°C (-40°F to 158°F)	-50°C to 60°C (-40°F to 158°F)
THREAD SIZE	M22 x 1,5 3/4" NPSM	M22 x 1,5 3/4" NPSM	M22 x 1,5 3/4" NPSM
THREAD LENGTH	25mm (Normal) 40mm (Long) 57mm (Extra Long)	25mm (Normal) 40mm (Long) 57mm (Extra Long)	25mm (Normal) 40mm (Long) 57mm (Extra Long)
INSTALLATION	for M22x1,5 THREAD in Ex "d" enclosures: (min. wall thickness: 8 mm engaged thread) in Ex "tb" enclosures: (min. wall thickness: 3 mm engaged thread) for 3/4"NPSM THREAD in Ex "d" enclosures: (min. 5 fully engaged threads) in Ex "tb" enclosures: (min. wall thickness: 3,7 mm engaged thread)	for M22x1,5 THREAD in Ex "d" enclosures: (min. 6 fully engaged threads) in Ex "tb" enclosures: (min. 3 fully engaged threads) for 3/4"NPSM THREAD in Ex "d" enclosures: (min. 7 fully engaged threads) in Ex "tb" enclosures: (min. 3 fully engaged threads)	for M22x1,5 THREAD in Ex "d" enclosures: (min. wall thickness: 8 mm engaged thread) in Ex "tb" enclosures: (min. wall thickness: 3 mm engaged thread) for 3/4"NPSM THREAD in Ex "d" enclosures: (min. 5 fully engaged threads) in Ex "tb" enclosures: (min. wall thickness: 3,7 mm engaged thread)
CERTIFICATE OF COMPLIANCE	 INMETRO CEPEL 97.0007U	 CSA I UL CSA: 2719982 UL: E489210	 ATEX I IECEx Sira 16ATEX1176U IECEx CSA 16.0032U



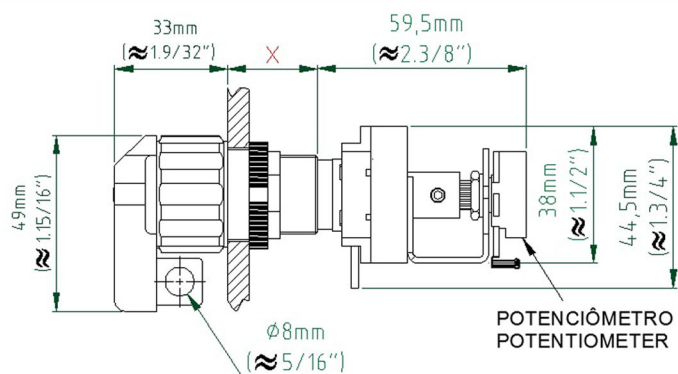
ELECTRICAL SPECIFICATION

MECHANICAL ROTATION	315°
POWER RATING	0,25 W
RESISTANCE VALUES	220R, 470R, 1k, 2.2k, 4.7k, 10k, 22k, 47k, 100k, 220k, 470k, 1M

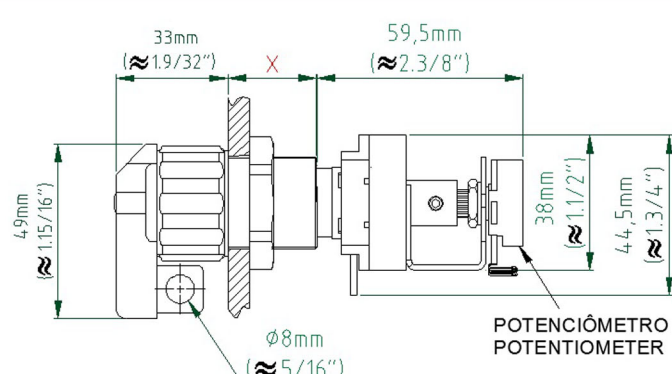


DIMENSIONS

M22 x 1,5



3/4" NPSM



X	
(mm)	(inch)
25mm	≈ 1"
40mm	≈ 1.19/32"
57mm	≈ 2.1/4"

DIAL FOR SINGLE-TURN POTENTIOMETER

CODIFICATION EXAMPLES & ORDERING CODE



ORDERING CODE

SGEX^XGBPCO A + B

sermat^{GRÜN}ex

X THREAD SIZE

X	SIZE	M22x1,5	3/4"NPSM
CODE		22	26

A THREAD LENGTH

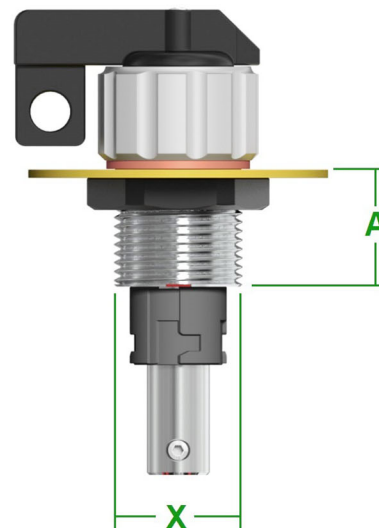
A	LENGTH	25mm	40mm	57mm
CODE		N	L	X

B RESISTANCE (Ω)

RESISTANCE	220Ω	470Ω	1KΩ	2,2KΩ	4,7KΩ
CODE	220R	470R	1K	2K2	4K7

RESISTANCE	10KΩ	22KΩ	47KΩ	100KΩ	220KΩ
CODE	10K	22K	47K	100K	220K

RESISTANCE	470KΩ	1MΩ
CODE	470K	1M



CODIFICATION EXAMPLES



SGEX26GBPCO

+

3/4NPSM
LENGTH
25mm

+

RESISTANCE
2,2kΩ

=

SGEX26GBPCON2K2

N

2K2



SGEX22GBPCO

+

M22x1,5
LENGTH
25mm

+

RESISTANCE
1kΩ

=

SGEX22GBPCON1K

N

1K