Sensor box
SRBE-CA3-YR90-MW-22A-1W-C2N12-C1

Part number: 3998917



General operating condition

Data sheet

Feature	Value
Design	Rectangular
Based on norm	EN 60947-5-1 ISO 5211
CE marking (see declaration of conformity)	As per EU low voltage directive As per EU RoHS directive
Explosion prevention and protection	Class I, Div. 1 (CA) Class I, Div. 1 (US) Class II, Div. 1 (CA) Class II, Div. 1 (US) Zone 1 (CA) Zone 1 (US) Zone 21 (CA) Zone 21 (US)
Type of ignition protection for gas	AEx d IIB T5 Gb Ex d IIB T5 Gb
Type of (ignition) protection for dust	AEx tb IIIC T108°C Db Ex tb IIIC T108°C Db
Explosion protection certification outside the EU	Class I, Div. 1 (CA) Class I, Div. 1 (US) Class II, Div. 1 (CA) Class II, Div. 1 (US) Class III (CA) Class III (US) EPL Db (CA) EPL Db (US) EPL Gb (CA) EPL Gb (US)
Explosive ambient temperature	-20°C <= Ta <= +60°C
Certificate issuing authority	CSA 263311
Note on materials	RoHS-compliant
Safety integrity level (SIL)	SIL 2
Measuring principle	Mechanical/electrical For proximity sensor
Ambient temperature	-20 °C ... 60 °C
Switching output	Contact-based
Switching element function	Toggle switch, single-pin
Max. output current AC	3000 mA
Max. output current DC	6000 mA
Operating voltage range AC	0 V ... 250 V
DC operating voltage range	0 V ... 30 V
Electrical connection	10-pin Screw terminal

Feature	Value
Closable nominal conductor cross-section	0.25 mm² ... 2.5 mm²
Cable fitting	1/2 NPT
Type of mounting	On flange as per ISO 5211 With mounting bracket
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Mounting position	Any
Product weight	1700 g
Housing colour	Silver
Housing material	Die cast aluminum, painted
Seals material	NBR
Shaft material	High-alloy stainless steel
Material of screws	High-alloy stainless steel
Material of mounting bracket	High-alloy stainless steel
Pointer material	PC
Circlip material	High-alloy stainless steel
Disc material	High-alloy stainless steel
Position indicator	Yellow/red
Angle detection setting range	0 deg ... 90 deg
Storage temperature	-20 °C ... 60 °C
Degree of protection	IP67 NEMA 4/4X
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
LABS (PWIS) conformity	VDMA24364 zone III
Contamination level	3

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

FESTO:

QSML-6 VBQF-U-G14-E QSLL-1/4-4 QSS-8-F SPTE-V1R-Q3-V-2.5K DSBC-32-40-D3-PPVA-N3 N-1/8-P-6
NPQP-D-Q4-S8-FD-P10 NPQP-L-Q10-E-FD-P10 QSLV-G1/4-6 MSFW-110-50/60-DS
NPQP-LQ-R18-Q8-FD-P10 PUN-H-4X0,75-TBL DSBC-32-50-D3-PPVA-N3 NPQP-Y-R12-Q12-FD
VABM-L1-18W-G38-8-G CRVZS-0.4 NPQH-T-G38-Q8-P10 NPQP-Y-Q6-E-FD-P10 SNC-63
DFM-63-100-P-A-KF DSBC-50-20-D3-PPSA-N3 DSBC-80-250-D3-PPSA-N3 DSBC-80-320-D3-PPVA-N3
NPQP-LQ-R18-Q4-FD-P10 QSML-3 DSBC-63-320-D3-PPVA-N3 QH-1 1/2 QS-1/2-16 DSNU-12-60-P-A