Sensor box
SRBE-CA3-YR90-MW-22A-2W-C2M20-EX

Part number: 3471011



Data sheet

Feature	Value
Type code	SRBE
Design	Rectangular
Based on norm	ISO 5211 VDI/VDE 3845
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX) As per EU low voltage directive
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 1 (BR) Zone 21 (BR) Zone 1 (IEC-EX) Zone 21 (IEC-EX) Zone 1 (KR) Zone 21 (KR) Zone 1 (CN) Zone 21 (CN)
ATEX category gas	II 2G
Type of ignition protection for gas	Ex db IIC T6 Gb
ATEX category for dust	II 2D
Type of (ignition) protection for dust	Ex tb IIIC T75°C Db
Explosion protection certification outside the EU	EPL Db (BR) EPL Db (CN) EPL Db (IEC-EX) EPL Db (IN) EPL Db (KR) EPL Gb (BR) EPL Gb (CN) EPL Gb (IEC-EX) EPL Gb (IN) EPL Gb (KR)
Explosive ambient temperature	-20°C <= Ta <= +60°C
Certificate issuing authority	DNV 16.0067X GYJ 16.1497X IECEx FTZU 15.0014X FTZU 15 ATEX 0095X KCC-18-GA4BO
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Safety integrity level (SIL)	SIL 2
Measuring principle	Mechanical/electrical For proximity sensor
Ambient temperature	-20 °C ... 60 °C

Feature	Value
Switching output	Contact-based
Switching element function	Toggle switch, double-pin
Max. output current AC	10000 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	14-pin Screw terminal
Cable fitting	M20x1.5
Closable nominal conductor cross-section	0.25 mm² ... 2.5 mm²
Type of mounting	On flange as per ISO 5211 With mounting bracket
Mounting position	Any
Product weight	1700 g
Housing colour	Silver
Housing material	Die-cast aluminum
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
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
Contamination level	3