ABB

PRODUCT-DETAILS

Sense7Z 10M
Sense7Z 10M Sensor

360°

General Information

Extended Product Type	Sense7Z 10M
Product ID	2TLA050056R6120
EAN	7350024466744
Catalog Description	Sense7Z 10M Sensor
Long Description	Safety magnetic switch complete with actuator, 2NC+1NO (guard closed and actuator present), stainless steel, LED, 10m cable (8 leads).
	Sense7 is a coded magnetic non-contact switch for interlocking gates and hatches, or other moveable parts. Sense7 has a stainless steel housing that is designed for harsh environments and extreme temperatures. Sense7 offers an interlocking function reaching up to PL e/SIL3 with low level coding.
	+105°C is accepted for short duration during CIP/SIP cleaning.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	8536500500
Product Main Type	Sense
Product Name	Sensor

Function	Safety magnetic switch for interlocking gates and hatches - Complete
Status Indicator	Yes

Popular Downloads

Data Sheet, Technical Information	2TLC010001C0202
Instructions and Manuals	2TLC172249M0201
CAD Dimensional Drawing	2CDC001079B0201
Marketing Video	2TLC010018N0201

Dimensions

Product Net Depth / Length	14 mm
Product Net Height	50 mm
Product Net Width	88 mm
Product Net Weight	0.684 kg

Safety Information

Certification Agency	cCSAus
Safety Category	4
Performance Level (PL)	Up to e
Safety Integrity Level (SIL)	3

Technical

Communication Interface	PNP
Connection Configuration	Cable, 10 m
Minimum Switching Capacity	10 VDC 1mA
Number of Outputs	Failsafe (Transistor) 3
Operating Distance (S_n)	5 mm
Probability of Dangerous Failure per Hour (PFDH)	$2.6 \ 10^{-8}$ hour
Rated Control Supply Voltage (U_s)	24 V DC

Technical UL/CSA

Enclosure Type UL/CSA	1

Environmental

Ambient Air Temperature	Operation -25 ... +70 °C
Degree of Protection	IP67

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	IP69K
Material	Housing: Stainless steel 316
	Coating housing: Uncoated

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2022-006480
RoHS Information	2CMT2022-006499
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006522
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

cULus Certificate	2TLC010041D0201
Declaration of Conformity - CCC	No declaration needed
Declaration of Conformity - CE	2TLC010060D0201
Declaration of Conformity - UKCA	2TLC010184D0201
TÜV Certificate	2TLC172125D0201
UL Certificate	2TLC010041D0201

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	77 mm
Package Level 1 Depth / Length	103 mm
Package Level 1 Height	192 mm
Package Level 1 Gross Weight	0.75 kg
Package Level 1 EAN	7350024466744

Classifications

eClass	V11.0 : 27272402
ETIM 7	EC002544 - Magnetic proximity switch
ETIM 8	EC002544 - Magnetic proximity switch
ETIM 9	EC002544 - Magnetic proximity switch
IDEA Granular Category Code (IGCC)	6147 >> Non contact sensors
UNSPSC	41111916
Object Classification Code	B

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Categories

Low Voltage Products and Systems → Control Products → Safety Products → Safety Sensors, Switches and Locks → Sense