



PRODUCT-DETAILS

Sense7Z M12

Sense7Z M12 Sensor



General Information	
Extended Product Type	Sense7Z M12
Product ID	2TLA050056R2120
EAN	7350024466751
Catalog Description	Sense7Z M12 Sensor
Long Description	Safety magnetic switch complete with actuator, 2NC+1NO (guard closed and actuator present), stainless steel, LED, 250mm cable with M12-8 male connector.
	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	0.205 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	M12-8 male on 25 cm cable
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
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Environmental

Ambient Air	Operation -25 ... +70 °C
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Temperature	
Degree of Protection	IP67
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	0.261 kg
Package Level 1 EAN	7350024466751

External Classifications and Standards

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
E-Number (Sweden)	3860165

Categories

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

