



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 <sub>n</sub> )	5 mm
Probability of Dangerous Failure per Hour (PFDH)	2.6 10 <sup>-8</sup> hour
Rated Control Supply Voltage (U <sub>s</sub> )	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	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

### 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
E-Number (Sweden)	3860165

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**Categories**

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

