ABB

PRODUCT-DETAILS

Adam DYN-Status M12-5
Adam DYN-Status M12-5 Sensor

General Information

Extended Product Type	Adam DYN-Status M12-5
Product ID	2TLA020051R5200
EAN	7350024480313
Catalog Description	Adam DYN-Status M12-5 Sensor
	Eden is a non-contact safety sensor used as interlocking device for e.g. doors and safe position monitoring.
Long Description	Adam safety sensor with DYNlink signal and StatusBus. Used with an Eva actuator to form a non-contact safety sensor Eden. M12-5 male connector. Four pieces of DA 1B distance plates and four pieces of DA 2B distance rings are included.
	Adam senses the presence of Eva without mechanical contact and therefore without any wear. The compact size of Eden and its 360° mounting possibility make it easy to use in most applications.
	Eden is UL approved for use in US and Canada.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	8536508090
Product Main Type	Eden

2024/04/12   Subject to change without notice

Product Name	Sensor
Function	Non-contact safety sensor used as interlocking device - Actuator to be ordered separately
Sub-Function	StatusBus
Status Indicator	Yes

Popular Downloads

Data Sheet, Technical Information	2TLC010044L0201
Instructions and Manuals	2TLC172271M0201
CAD Dimensional Drawing	2CDC001079B0201
Marketing Video	2TLC010019N0201
	2TLC010018N0201

Dimensions

Product Net Depth / Length	12 mm
Product Net Height	75.2 mm
Product Net Width	30 mm
Product Net Weight	0.026 kg

Safety Information

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

Technical

Communication Interface	DYNlink
Connection Configuration	M12-5 male
Number of Outputs	Non-Failsafe, Undelayed Contacts 0
	Non-Failsafe, Undelayed Semiconductors 1
Operating Distance (S_n)	15 mm
PCB Coated	No
Probability of Dangerous Failure per Hour (PFDH)	$4.5 \ 10^{-9}$ hour
Rated Control Supply Voltage (U_s)	24 V DC

Technical UL/CSA

Enclosure Type UL/CSA	4X

Environmental

Ambient Air Temperature	Operation -40 ... 70 °C
	Storage -40 ... +70 °C
Degree of Protection	IP67
	IP69K
Material	Housing: Plastic (PBT)
	Coating housing: Uncoated
	Moulding: Epoxy

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35 to 85% (no icing, no condensation)

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2022-006480
RoHS Information	2CMT2022-006499
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

CQC Certificate	No declaration needed
cULus Certificate	2TLC172139D0201
Declaration of Conformity - CCC	No declaration needed
Declaration of Conformity - CE	2TLC172133D0201
Declaration of Conformity - UKCA	2TLC010159D0201
TÜV Certificate	2TLC172134D0201
UL Certificate	2TLC172139D0201

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	16 mm
Package Level 1 Depth / Length	75 mm
Package Level 1 Height	75 mm
Package Level 1 Gross Weight	0.052 kg
Package Level 1 EAN	7350024480313

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

Categories

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