PRODUCT-DETAILS

MKey8RF Die-cast M20

MKey8RF Die-cast M20 Safety Sensors, Switches and Locks



General Information

Extended Product Type	MKey8RF Die-cast M20
Product ID	2TLA050011R0612
EAN	7350024486858
Catalog Description	MKey8RF Die-cast M20 Safety Sensors, Switches and Locks
Long Description	Solenoid safety switch with RFID technology reaching PL e or SIL 3 for the interlock function, die cast housing and stainless steel head, 3xM20 conduit entries, 24 V DC power to unlock. Safe lock function reaching PL e or SIL 3 in combination with a suitable accessory. Two safe OSSD inputs and two safe OSSD outputs. Delivered without RFID key. MKey are mechanical safety switches used for monitoring doors and hatches. The switch is mounted on the frame and the actuator key on the moving part of the guard. All MKey models have a safe interlocking function. Some MKey models can be locked and depending on the locking signal they can be used either as process locks or safety locks (with a safe unlocking function). MKey switches are available in different material and sizes in order to meet the requirements of different applications.

Ordering

Minimum Order Quantity	1 piece

© 2025 ABB. All rights reserved.

Customs Tariff Number	8536500700
Product Main Type	MKey
Product Name	Safety Sensors, Switches and Locks
Function	Safety mechanical switch for interlocking with locking (Safety)
Special Functions	No key supplied; With auxiliary release; RFID

Popular Downloads

Data Sheet, Technical Information	2TLC010001C0202
EPLAN Data	9AAC170159_EPLAN

Installation

Instructions and Manuals	2TLC010088M0201

Dimensions

Product Net Depth / Length	48 mm
Product Net Height	190 mm
Product Net Width	46 mm
Product Net Weight	0.8 kg

Safety Information

Performance Level (PL)	Up to e
Safety Integrity Level (SIL)	1 2 3

Technical

Communication Interface	OSSD
Number of Contacts NC	0
Number of Contacts NO	0
Rated Control Supply Voltage (U_s)	24 V DC

Environmental

Ambient Air Temperature	Operation -25 ... 40 °C
Degree of Protection	IP67
Material	Die cast

Material Compliance

Conflict Minerals Reporting Template	9AKK108467A5658

© 2025 ABB. All rights reserved.

(CMRT)	
REACH Declaration	2CMT2022-006480
RoHS Declaration	2CMT2022-006499
RoHS Information	No declaration needed
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

Declaration of Conformity - CCC	No declaration needed
Declaration of Conformity - CE	2TLC010210D0201
Declaration of Conformity - UKCA	2TLC010211D0201
UL Certificate	2TLC010020D0201

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	65 mm
Package Level 1 Depth / Length	220 mm
Package Level 1 Height	65 mm
Package Level 1 Gross Weight	0.9 kg
Package Level 1 EAN	7350024486858

External Classifications and Standards

eClass	V11.0 : 27270611
ETIM 7	EC002593 - Position switch with guard locking
ETIM 8	EC002593 - Position switch with guard locking
ETIM 9	EC002593 - Position switch with guard locking
Object Classification Code	B
E-Number (Finland)	2314991
E-Number (Sweden)	3861575

Categories

© 2025 ABB. All rights reserved.

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





© 2025 ABB. All rights reserved.