



Model number

VAZ-IEI1-TAG1-S

RFID actuator for non-contact AS-Interface safety switches

Features

- Battery-free code carrier
- Large coverage area with mismatch
- No contact bounce
- High circumvention security
- Good long-term stability

Function

In combination with the VAZ-IEI1-TAG1-S actuator, the VAZ-IEI1-READER1-S-V3 read head is a safety device for monitoring separately moving protective devices. The non-contact actuator functions with transponder coding. Each actuator has a unique electronic code.

The actuator is attached to the moving part of the protective device. The read head, which is attached to the stationary part of the protective device, transmits the read-in code to the VAA-4E-IEI1-CONTROL-J-S control interface. The control interface compares the read-in bit pattern with the stored code. On verification of the data, a signal is sent via the AS-Interface that the protective device is closed. Evaluation takes place via a safety monitor.

The Niro safety screws, which are included in the scope of supply, can be screwed in with a normal tool and prevent unscrewing.

Accessories

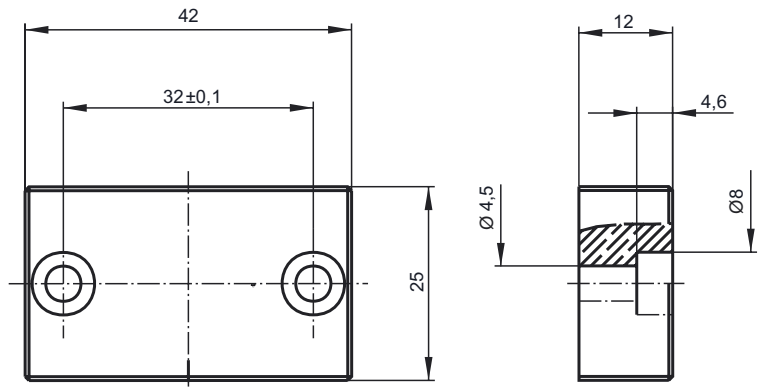
V3-GM-5M-PUR-ABG43-V1-G

Connection cable, M8 to M12, PUR cable, 3-pin

V3-GM-2M-PUR-ABG43-V1-G

Connection cable, M8 to M12, PUR cable, 3-pin

Dimensions



Technical data

General specifications

Detection type	inductive
UL File Number	E179102

Functional safety related parameters

Safety Integrity Level (SIL)	SIL 3
Performance level (PL)	PL e

Electrical specifications

Power supply	inductive over reading head
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Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Protection degree	IP67 / IP69K
Material	
Housing	PPS
Installation	Active surface facing Read head
Mass	20 g

General information

Scope of delivery	1 actuator; 2 safety screws, M4 x 14
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Compliance with standards and directives

Directive conformity	
EMC Directive 2004/108/EC	EN 60947-5-3
Standard conformity	
Functional safety	DIN EN 954-1, EN ISO 13849-1 (up to PL _d)

Release date: 2009-04-23 11:17 Date of issue: 2014-01-13 210515_eng.xml

Matching system components**VAZ-IEI1-READER1-S-V3**

RFID read head for non-contact AS-Interface safety switches

VAA-4E-IEI1-CONTROL-J-S

Evaluation unit for RFID read heads, non-contact safety switches