



Model number

VAA-3E-HH30-J-S-V1

AS-Interface enabling switch, 3-layered

Features

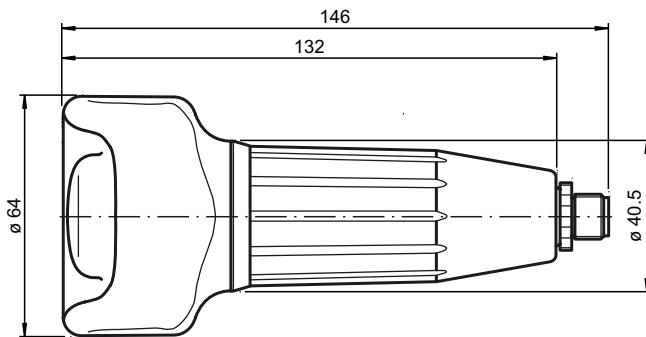
- 3-layered with panic function
- Ergonomic construction with high manipulation security
- M12 plug connection
- Degree of protection IP67

Function

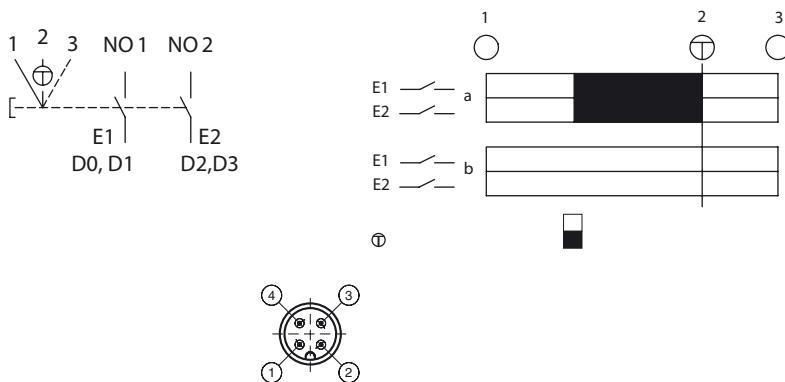
The enabling switch, VAA-3E-HH30-J-S-V1, is a 3-stage actuation switch with 2 inputs. NO contacts E1 and E2 are monitored via the inputs. Evaluation takes place via a safety monitor.

Connection is via an M12 plug. The enabling switch is powered via the AS-Interface. The 3-stage slow-action contact element activates the enabling function only in the second stage. The second stage is the center position and has a pressure point. The enabling function is cancelled by releasing the button as well as by pressing it down. Pressing the button down is also referred to as the panic function. When the depressed button is returned to its initial position, the enabling function is no longer activated. The enabling button has NC contacts for the panic function.

Dimensions



Indicating / Operating means



Technical data

General specifications

Slave type	Safety-Slave	
AS-Interface specification	V2.1	
Required master specification	≥ V2.0	
Switching principle	slow-acting contact element, 3-stage	
UL File Number	E179102	

Functional safety related parameters

Performance level (PL)	PL d
B_{10d}	1 E+5

Electrical specifications

Rated operating voltage	U_e	26.5 ... 31.6 V from AS-Interface
Rated operating current	I_e	≤ 45 mA
Rated insulation voltage		50 V

Input

Number/Type	2 safety-related inputs: NO E1 NO E2
Supply	from AS-Interface

Directive conformity

Electromagnetic compatibility Directive 2014/30/EU	EN 62026-2:2013
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Standard conformity

Degree of protection	EN 60529:2000
AS-Interface	EN 62026-2:2013
Functional safety	DIN EN 954-1, EN ISO 13849-1 (up to PL _d)

Programming instructions

Profile	S-0.B
IO code	0
ID code	B

ID1 code	F
ID2 code	E
Data bits (function via AS-Interface)	Input
D0	dyn. safety code 1
D1	dyn. safety code 1
D2	dyn. safety code 2
D3	dyn. safety code 2
Ambient conditions	
Ambient temperature	-5 ... 50 °C (23 ... 122 °F)
Mechanical specifications	
Degree of protection	IP67
Connection	M12 x 1 connector
Material	
Housing	Polyamide (PA)
Protective cover	Neoprene
Mass	approx. 140 g (without conduction)
Life span	10 ⁵ cycles

Accessories**VAZ-HH30-BRACKET**

Bracket for VAA-3E-HH30-J-S-V1

VAZ-T1-FK-V1

Splitter box AS-Interface to 1x M12 round connector

V1-G-0,6M-PUR-V1-G

Connection cable, M12 to M12, PUR cable, 4-pin

V1-G-1M-PUR-V1-G

Connection cable, M12 to M12, PUR cable, 4-pin

V1-G-10M-PUR-V1-G

Connection cable, M12 to M12, PUR cable, 4-pin