

ESH-PRO-11A-1205 (ORDER NO. 095895)

Safety hinge ESH

- ▶ Safety hinge with integrated safety function
- ▶ Ideal use with hinged doors
- ▶ Suitable for profile mounting
- ▶ Connection via plug connector M12



Description

The safety hinges ESH are safety devices for monitoring movable guards, such as doors or covers on machinery or systems.

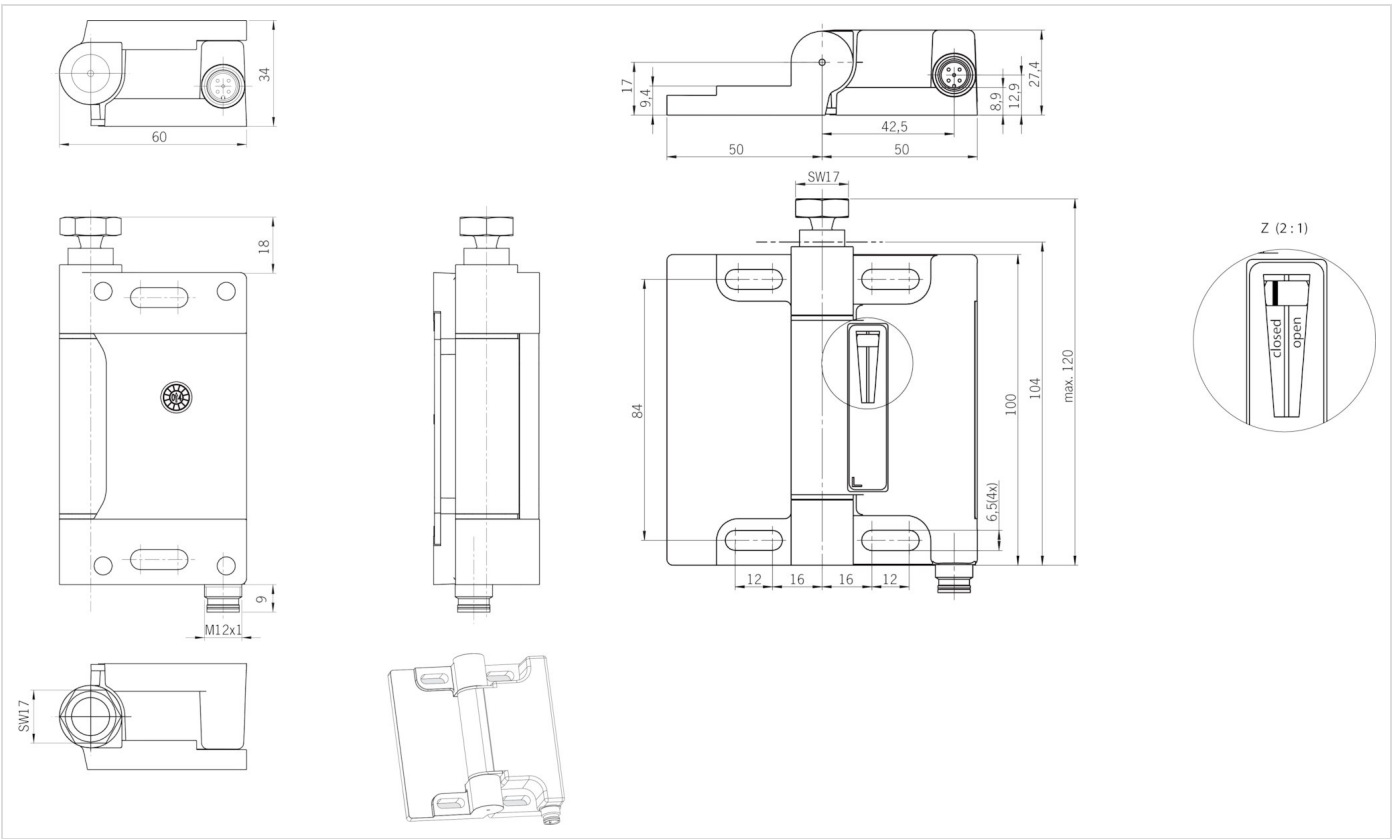
Important:

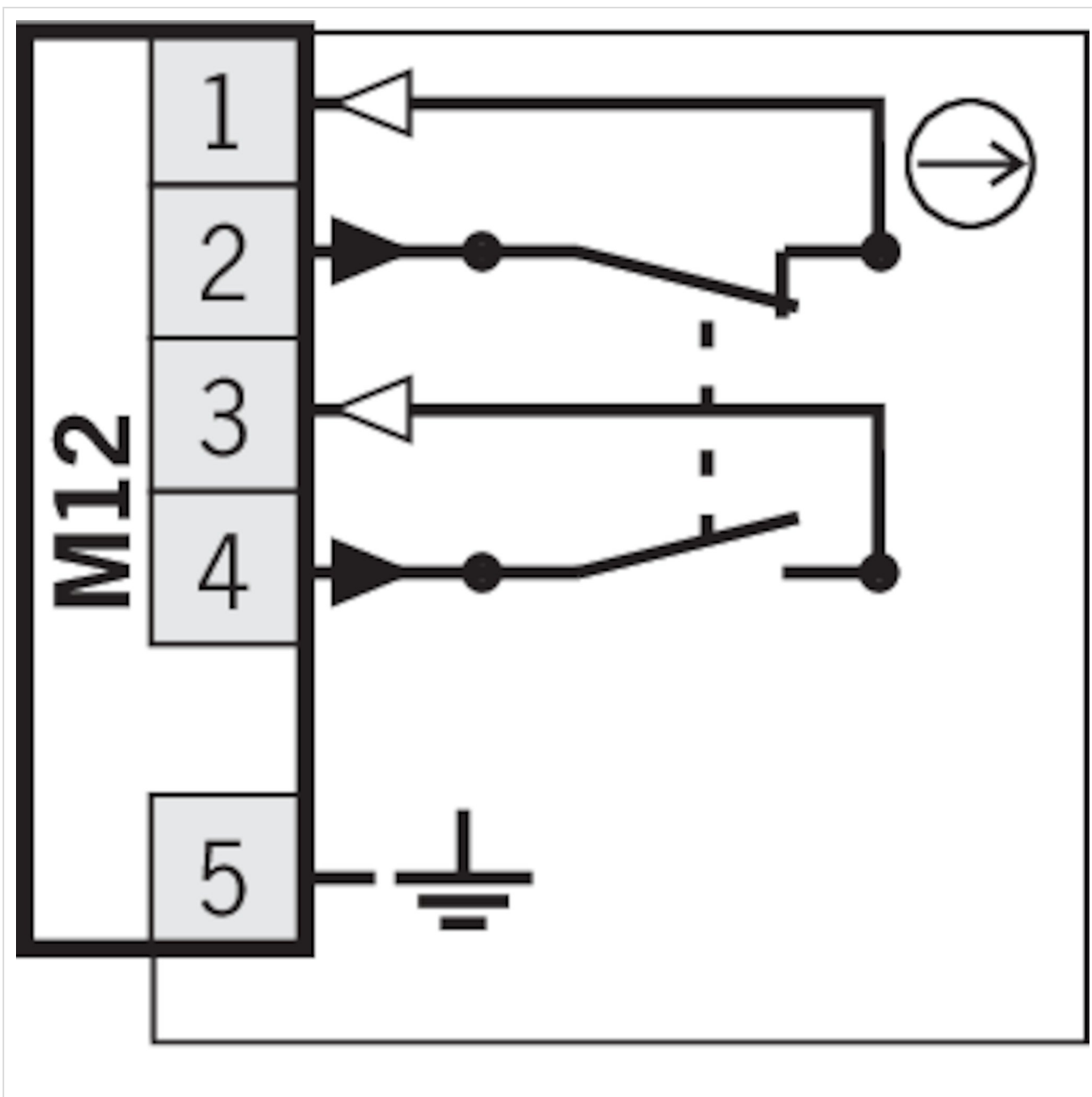
During mounting the axes of the hinges used must be exactly aligned.

Switching element

11 Snap-action switching contact 1NC \rightarrow +1NO

Dimension drawing





Technical data

Approvals



Mechanical values and environment

Housing material

	Housing	Die-cast zinc, nickel-plated
Weight	Net	0,8 kg
Ambient temperature		-25 ... 70 °C
Degree of protection		IP67
Mechanical life		1 x 10 ⁶
Max. load as per mechanical life test according to EN 1935		Grade 12 (100kg door weight)
Contact material		Silver
Switching principle		Snap-action switching contact
Installation orientation		Any
Number of door position positively driven contacts		1
Number of NO contacts		1
Actuation frequency		max.1200 1/h
Operating point		4° from fixing point
Positively driven		Approx. 10° from fixing point
Pivoting angle		-10 ... 180 °

Electrical connection ratings

Thermal rated current I _{th}		3 A
Utilization category acc. to EN 60947-5-1		
	AC-15	1.5A 30V
	DC-13	2.0A 24V
Short circuit protection according to IEC 60269-1		2A gG
Rated insulation voltage U _i		60 V
Rated impulse withstand voltage U _{imp}		2,5 kV
Switching current		
	at 24V	min.1 mA
Degree of contamination (external, according to EN 60947-1)		
	Industry	3

Accessories

Connection material

Connection cable with angled plug connector M12, 5-pin, 5m



073462
C-M12F05-05X050PU05,0-GA-073462

- ▶ M12 female plug, 4-pin + PE
- ▶ Angled plug connector
- ▶ PUR cable
- ▶ Halogen-free
- ▶ Cable length 5 m
- ▶ With flying lead
- ▶ Cores color-coded

Connection cable with straight plug connector M12, 5-pin, 5m

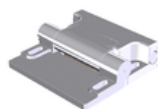


073461
C-M12F05-05X050PU05,0-GA-073461

- ▶ M12 female plug, 4-pin + PE
- ▶ Straight plug connector
- ▶ PUR cable
- ▶ Halogen-free
- ▶ Cable length 5 m
- ▶ With flying lead
- ▶ Cores color-coded

Function expansion

ESH matching hinge (without safety function)



096007
ESH-PRO

Contacts

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