

## Datasheet - ASIM-C-M12-4P-2M

AS interface safety at work / Safety switchgear / Safe input module / ASIM-C-M12



- Compact Safety-Input module
- Integrated in the passive junction
- for 2 potential-free NC contacts
- Protection class IP67

(Minor differences between the printed image and the original product may exist!)

### Ordering details

Product type description	ASIM-C-M12-4P-2M
Article number	103004695
EAN Code	
eCl@ss	27-27-24-02

### Approval


Approval



### Classification

Standards	EN ISO 13849-1, EN 62061
PL	e
Control category	4
PFH value	No significant contribution
PFD value	No significant contribution
SIL	3
Mission time	20 Years

### Global Properties

Permanent light	ASIM-C-M12
Standards	EN 50295, EN 60204-1, EN ISO 13849-1, EN 62061
Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	Yes
Materials	
- Material of the housings	Thermoplastic PBT
- Material of the cable	Polyurethane
Weight	260
Response time	< 1
Duration of risk	< 5

## Mechanical data

Design of electrical connection	Socket, M12, 4-pole, A-coded
Cable length	2
restistance to shock	30 / 11
Resistance to vibration	10 ... 57 HZ, Amplitude 0,75 mm

## Ambient conditions

Ambient temperature	
- Min. environmental temperature	-20
- Max. environmental temperature	+60
Storage and transport temperature	
- Min. Storage and transport temperature	-25
- Max. Storage and transport temperature	+80
Relative humidity	30 ... 95
- non-condensing, non-icing	
Protection class	IP67 to IEC/EN 60529
Protection rating	III
Air clearances and creepage distances To IEC/EN 60664-1	
- Rated impulse withstand voltage	0,8
- Rated insulation voltage	32
- Overvoltage category	III
- Degree of pollution	3

## Electrical data - AS interface

AS-i Supply voltage	26.5 ... 31.6 VDC, Protection against polarity reversal
AS-i operating current	≤ 90
AS-i Device insulation	internally short-circuit proof
AS-i Specification	
- version	V3.0
- Profile	S-0.B.F.0
AS-i Inputs	
- Channel 1	Data bits DI 0/DI 1= dynamic code transmission
- Channel 2	Data bits DI 2/DI 3= dynamic code transmission
AS-i Outputs	
- DO 0	not used
- DO 1 ... DO 3	not used
AS-i Parameter bits	
- P0	Communication monitoring
- P1 ... P3	not used

AS-i input module address	0
- Default on address 0, programmable via the AS-Interface Master or Hand-held programming device	
notice	Set the parameter outputs to "1111" (0xF)

## LED switching conditions display

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LED switching conditions display (Y/N)	Yes
AS-i LED switching conditions display	
(1) green LED	Supply voltage / slave address = 0
(2) red LED	Communication error / slave address = 0
(3) yellow LED	I1 = Status Safety input 1
(4) yellow LED	I2 = Status Safety input 2
(5) yellow LED	-

## Dimensions

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Dimensions	
- Width	27.7
- Height	40.5
- Depth	22

## Documents

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**Operating instructions and Declaration of conformity (jp)** 396 kB, 16.05.2014

Code: mrl\_asim-c-m12\_jp

**Operating instructions and Declaration of conformity (pl)** 307 kB, 05.09.2018

Code: mrl\_asim-c-m12\_pl

**Operating instructions and Declaration of conformity (en)** 297 kB, 18.12.2017

Code: mrl\_asim-c-m12\_en

**Operating instructions and Declaration of conformity (sv)** 300 kB, 05.09.2018

Code: mrl\_asim-c-m12\_sv

**Operating instructions and Declaration of conformity (fr)** 301 kB, 31.08.2018

Code: mrl\_asim-c-m12\_fr

**Operating instructions and Declaration of conformity (nl)** 300 kB, 31.08.2018

Code: mrl\_asim-c-m12\_nl

**Operating instructions and Declaration of conformity (pt)** 304 kB, 05.09.2018

Code: mrl\_asim-c-m12\_pt

**Operating instructions and Declaration of conformity (it)** 300 kB, 05.09.2018

Code: mrl\_asim-c-m12\_it

**Operating instructions and Declaration of conformity (de)** 294 kB, 18.12.2017

Code: mrl\_asim-c-m12\_de

**Operating instructions and Declaration of conformity (es)** 300 kB, 05.09.2018

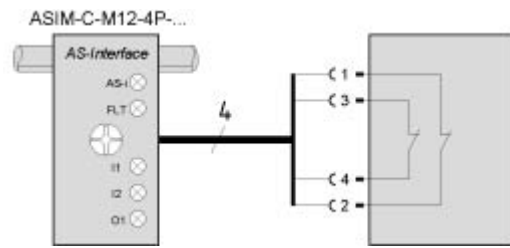
Code: mrl\_asim-c-m12\_es

**TÜV certification (de, en)** 630 kB, 20.08.2018

Code: z\_asip13

## Images

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Wiring example

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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