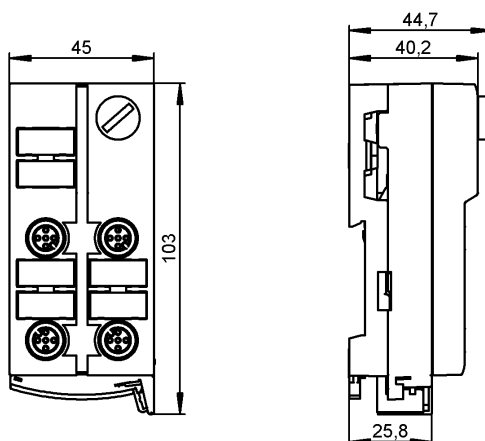


AC505S

ClassicLine 2SI 2LO

Bus system AS-Interface



Made in Germany

Product characteristics

AS-i Safety at Work

AS-i flat cable connection

Sockets M12 x 1

Safe AS-i input module 2SI - 2LO

Addressing socket

Three orientations of the flat cable are possible

Complies with the requirements:
EN ISO 13849-1: category 4* PL e*
IEC 62061: SILcl 3

Electrical data

Electrical design	2 safe inputs / 2 non-safe LED outputs
Operating voltage [V]	26.5...31.6 DC; "supply class 2" to cULus.
Total current consumption from AS-i [mA]	< 280

Inputs

Digital	
Circuit	DC PNP/NPN
Sensor supply	AS-i
Voltage range [V]	24 DC (18...30 DC)
Max. current load for all inputs total [mA]	200
Input current High/Low [mA]	12
Short-circuit detection	yes
Cross-bridging detection	yes
Short-circuit proof	yes

Outputs

LED output	2
LED output / supply via AS-i	yes
Integrated watchdog	yes

Environment

Ambient temperature [°C]	-25...55
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AC505S

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Bus system AS-Interface

Protection	IP 67
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Tests / approvals

EMC	EN 50295 EN 62061	annex E
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Safety classification

Mission time T _M	[h]	20
PFH		1.3 x 10 ⁻¹¹ / h
MTTF _d	[Years]	5458
DC/CCF/Cat.		97 % / - / 4

AS-i classification

Extended addressing mode possible	version 2.11 and 3.0 / no
Max. number of safety modules per master	31
AS-i profile	S-7.B.0
I/O configuration [hex]	7
ID code [Hex]	B.0
AS-i certificate	97101

Mechanical data

Housing materials	PA; Piercing contacts: CuSn6 surface nickel and tin-plated
Weight	[kg] 0.204

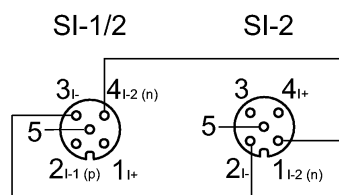
Displays / operating elements

Operation	LED	green
Error	LED	Red
Function display	LED	yellow

Electrical connection

Max. cable length	[m] < 10
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Wiring



Socket SI-1/2	Socket SI-2
1: supply I+	1: Input I-2 (n)
2: Input I-1 (p)	2: supply I-
3: supply I-	3: not used
4: Input I-2 (n)	4: supply I+
5: not used	5: not used

Accessories

Accessories (included)	lower part
Accessories (optional)	Addressing cable E70213; M12 protective cap (E73004)

Remarks

Remarks	PL e, cat. 4, SIL CL 3 only if the fault exclusions described in the manual are used
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Pack quantity	[piece] 1
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