

Product type designation



ASM 456 communication module

MOBY COMMUNICATION MODULE ASM 456 FOR PROFIBUS DP-V1; 2 SLG CONNECTABLE, W/O CONNECTING BLOCK FOR PROFIBUS

Suitability for operation

PROFIBUS network according to DP-V1 together with RF200/300/600, MOBY D/E/I/U, MV

Transmission rate

Transfer rate / with PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s

Interfaces

Design of the interface / for point-to-point connection	RS422
Number of readers / connectable	2
Type of electrical connection <ul style="list-style-type: none"> • of the PROFIBUS interface • for supply voltage 	(according to the connection block) (according to the connection block)
Design of the interface / to the reader / for communication	M12, 8-pin

Mechanical data

Material	Thermoplastic (Valox 467, fiberglass reinforced)
Color	IP Basic 714
Tightening torque / of the screw for securing the equipment / maximum	3 N·m

Supply voltage, current consumption, power loss

Supply voltage <ul style="list-style-type: none"> • for DC / Rated value • for DC 	24 V 20 ... 30 V
Consumed current / for DC / at 24 V	

- without connected devices / typical 0.08 A
- with connected devices / maximum 0.8 A

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport 	0 ... 55 °C -40 ... +70 °C -40 ... +70 °C
Protection class IP	IP67
Shock resistance	According to IEC 61131-2
Shock acceleration	300 m/s ²
Resistance against vibration	100 m/s ²

Design, dimensions and weight

Width	60 mm
Height	30 mm
Depth	210 mm
Net weight	0.21 kg
Mounting type	2 x M5 screws
Cable length / for RS 422 interface / maximum	1000 m

Product properties, functions, components / general

Display version	4 LEDs per reader connection, 4 LEDs for device status
<ul style="list-style-type: none"> • Product function / transponder file handler can be addressed 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • PROFIBUS DP-V0 protocol • PROFIBUS DP-V1 protocol 	No Yes
Type of parameterization	GSD
Type of programming	FB 45, FB 55, FC 56, Ident profile (PIB), (FC 45/55 with limited functionality)
Type of computer-mediated communication	acyclic communication

Standards, specifications, approvals

Certificate of suitability	CE, FCC, cULus
MTBF	122 y

Accessories

accessories	Connection block for ECOFAST system or M12, 7/8"
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Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/automation/net/catalog

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

Security information

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