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Data sheet 6GT2002-0ED00

Product type designation

ASM 456 communication module
MOBY communication module ASM456 for PROFIBUS DP-V1; 2 SLG can be connected; without Connection block for PROFIBUS



Suitability for operation	PROFIBUS network according to DP-V1 together with RF200/300/600, MV400, MOBY D/E/I/U
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	
• of the PROFIBUS interface	(according to the connection block)
• for supply voltage	(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

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Tightening torque / of the screw for securing the equipment / maximum	3 N·m

Supply voltage, current consumption, power loss	
Supply voltage	
• at DC / Rated value	24 V
• at DC	20 ... 30 V
Consumed current / at DC / at 24 V	
• without connected devices / typical	0.08 A
• with connected devices / maximum	0.85 A

Permitted ambient conditions	
Ambient temperature	
• during operation	0 ... 55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Protection class IP	IP67
Shock resistance	According to IEC 61131-2
Shock acceleration	300 m/s²
Vibrational acceleration	100 m/s²

Design, dimensions and weight	
Width	60 mm
Height	30 mm
Depth	210 mm
Net weight	0.21 kg
Mounting type	2 x M5 screws
Wire 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
Product function / transponder file handler can be addressed	Yes
Protocol / is supported	
• PROFIBUS DP-V0 protocol	No
• PROFIBUS DP-V1 protocol	Yes
Type of parameterization	GSD
Type of programming	FB 45, FB 55, FC 56, ID profile, library with functions, (FC 45/55 with restricted 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	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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