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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

Transfer 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
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

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 weights

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 features, product functions, product 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

Product functions / management, configuration, engineering

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"

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

Security information

Security information

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