

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GT2002-0LE40

RFID READER COMMUNICATION MODULE

Used with the applicable SIMATIC RF128C configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens SIMATIC RF128C Operating Instructions, C79000-G8976-C740-01, October 2024; pages 105 to 106

Technical data

Table 11-1 RF128C technical specifications

6GT2002-0LE40	
Product type designation	SIMATIC RF128C
Ethernet interface	
Connection type	PROFINET, EtherNet/IP, XML
Physical medium	Ethernet over 8-wire cable
Operating mode	100BaseX full duplex
Transmission speed	100 Mbps
Connector	RJ45, 8-pin
Max. cable length	100 m
Cable type	STP Cat 5
Autonegotiation	Yes
Autocrossing	Yes
PROFINET	Yes
Vendor ID	0x002A
Device ID	0x0C0B
Reader interface	
Connector	M12 coupler plugs, 8-pin, A-coded
Connectable readers	4x reader
Transmission speed	RS422: 19.2 ... 921.6 Kbaud ¹⁾
Max. cable length	• 700 m (at 115.2 Kbaud) • < 100 m (at 921.6 Kbaud) dependent on reader (preassembled cables 2 ... 50 m; for other standard cables and user-assembled cables, refer to the section "Connecting cables")
Electrical data	
Supply voltage ^{2) 3)}	
• Rated value	• 24 V DC
• Permitted range	• 20.4 to 28.8 V DC
Current consumption without reader	Typ. 130 mA
Current draw via reader interfaces	Max. 800 mA, at 20.4 to 28.8 V DC
Mechanical data	

6GT2002-OLE40	
Dimensions (W × H × D)	30 × 125 × 80 mm
Weight	Approx. 160 g
Environmental conditions	
Ambient temperature	
• During operation	• 0 ... +55 °C
• During transportation and storage	• -40 ... +70 °C
Relative humidity (during operation)	≤ 95%
Degree of protection	IP20
Oscillation, vibration in operation (according to IEC 60068-2-6)	5 ... 8.4 Hz, 3.5 mm 8.4 ... 150 Hz, 1 g
Shock resistance, shock in operation (according to IEC 60068-2-27)	15 g, 11 ms
MTBF (at 40°C)	70 years
Approvals	CE

¹⁾ Depending on the connected reader

²⁾ All supply and signal voltages must be safety extra low voltage (SELV/PELV according to IEC 61140)
24 V DC supply: Safety (electrical) isolation of low voltage (SELV/PELV acc. to IEC 61140)

³⁾ Overvoltage category CAT II

Dimension drawings

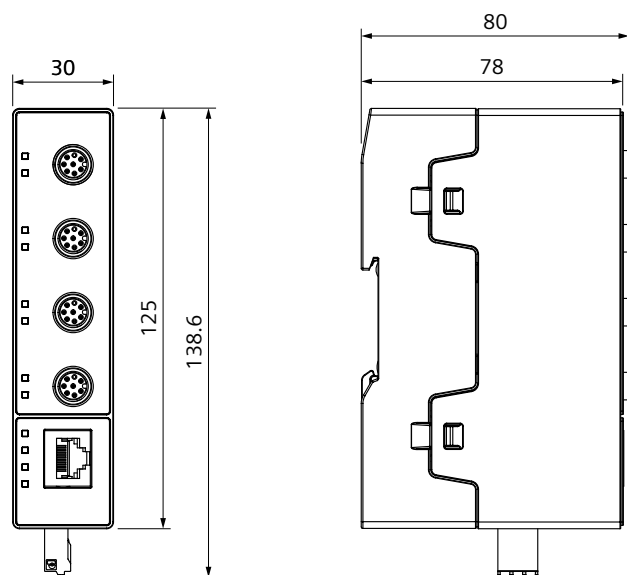


Figure 12-1 Dimension drawing of an RF128C communication module (all dimensions in [mm])