

**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

**Transmission rate**

Transmission rate

- with PROFIBUS
- at point-to-point connection / serial / maximum

9.6 kbit/s ... 12 Mbit/s  
115.2 kbit/s

**Interfaces**

Design of interface / for point-to-point connection

RS422

Number of readers / connectable

2

Design of electrical connection

- of the PROFIBUS interface
- for supply voltage

(according to the connection block)  
(according to the connection block)

Version 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 screw for mounting the equipment / maximum

3 N·m

**Supply voltage, current consumption, power loss**

Supply voltage / for DC

- rated value
- minimum
- maximum

24 V  
20 V  
30 V

Current consumed	
<ul style="list-style-type: none"> <li>• at 24 V / with DC / without connected devices / typical</li> </ul>	0.08 A
<ul style="list-style-type: none"> <li>• with DC / at 24 V / with connected devices / maximum</li> </ul>	0.8 A
<b>Permitted ambient conditions</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operating</li> </ul>	0 ... 55 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +70 °C
Resistance against shock	According to IEC 61131-2
Resistance against shock	300 m/s <sup>2</sup>
Resistance against vibration	100 m/s <sup>2</sup>
<b>Design, dimensions and weight</b>	
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
<b>Product properties, functions, components / general</b>	
Type of display	4 LEDs per reader connection, 4 LEDs for device status
Product function	
<ul style="list-style-type: none"> <li>• transponder file handler can be addressed</li> </ul>	Yes
Protocol / is supported	
<ul style="list-style-type: none"> <li>• PROFIBUS DP-V0 protocol</li> </ul>	No
<ul style="list-style-type: none"> <li>• PROFIBUS DP-V1 protocol</li> </ul>	Yes
<b>Product functions / management, configuration</b>	
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
<b>Standards, specifications, approvals</b>	
Verification of suitability	CE, FCC, cULus
MTBF	122 a
<b>Accessories</b>	
Accessories	Connection block for ECOFAST system or M12, 7/8"
<b>letzte Änderung:</b>	Jul 14, 2014