



Technical Data	
Digital inputs:	
Number of inputs	8
Connection type (2)	M8 connectors, 3 poles
Wire connection	2- or 3-wire
Input filter	Hardware: ≤ 10 μs, software parametrizable depending on operating mode
Hardware delay up to fieldbus	10 μs (direct mode)
Input characteristic	Type 1, acc. to IEC 61131-2
Signal voltage (0)	-3 VDC ... +5 VDC
Signal voltage (1)	+15 V ... +30 V DC
Input wiring	high-side switching
Input voltage	24 VDC (-30 VDC < U _{IN} < +30 VDC)
Input current (typ.)	2.8 mA
Cable length, unshielded	≤ 30 m
Wrong connection of inputs	No effect
System bus:	
Cycle time	min. 250 μs
Number of expendable modules	64
Connection type (3)	M12 connectors, B coded, 5 poles, shielded
Distance between two modules	20 m
Total extension per station	200 m
Isolation:	
Channel - Channel	No
U _{IS} , U _A , system bus, fieldbus	500 VDC each
Service:	
Type	USB standard 1.1
Connection type (5)	M8 connectors, 4 poles
Standards and approvals:	
Conformity marking	CE
UL 508	
BVS 15 ATEX E 098 X	II 3G Ex nA IIC T5 Gc, II 3D Ex tc IIIB T90°C Dc
IECEx BVS 15.0083X	Ex nA IIC T5 Gc, Ex tc IIIB T90°C Dc
Configurable functions:	
Fieldbus coupler	see manual
Digital Inputs	
Input filter (per channel)	depending on operating mode 0.1/ 0.5/ 3 /15 /20 ms/ filter off
Inversion (per channel)	On/off
Online simulation (per channel)	Lock/unlock, simulation value: 0/1

Technical Data	
I/O diagnostics:	
I/O diagnostics (per module)	Short circuit/overload of sensor supply Undervoltage (U _{IS} + U _A)
Process image:	
Input process image	2048 bytes
Output process image	2048 bytes
LED indicators:	
MS: Module status	LED (green/red)
S3: sercos status	LED (green/red)
ACT/LNK 1 : ETHERNET data	
exchange/network connection	LED (green)
ACT/LNK 2 : ETHERNET data	
exchange/network connection	LED (green)
CS : Fieldbus coupler status	LED (green/red)
SBM : System bus master status	LED (green/red)
F: Error status	LED (red)
0 ... 7: Input signal status	LED (yellow)
U _{IS} + U _A : Supply status	LED (green)
Indicators	Non-latching
Advanced features:	
Operating hours counter	Values in [h]
High-speed inputs	parametrizable, depending on operating mode (see manual)
General Specifications	
Dimensions (mm) W x H x L	75 x 35.7 x 117
Weight	400 g