

8.1 Technical details

Technical details	
Application range	Standard/Failsafe
Maximum achievable category in accordance with EN 954-1	4
Maximum achievable SIL value	SIL3
Module's device code	0226h No. 312040 0229h No. 312043
Electrical data	
Internal supply voltage	
Supply voltage range of module supply	4.9 - 5.1 V
Current and power consumption from module supply	
Module's current consumption	500 mA
Module's power consumption	2.50 W
Max. power dissipation of the module	2.50 W
PROFINET IO	
Application range	Standard applications Failsafe applications
Device type	Slave
Maximum data length of the fieldbus interface: Input	64 Byte
Maximum data length of the fieldbus interface: Output	64 Byte
Transmission rates	100 MBit/s
Set via	automatic
Connection	RJ45
Certification	PNO
Manufacturer's ID	092Fh
Environmental data	
Climatic suitability	EN 60068-2-14, EN 60068-2-1, EN 60068-2-2, EN 60068-2-30, EN 60068-2-78
Ambient temperature	0 - 60 °C
Storage temperature	-25 - 70 °C
Climatic suitability in accordance with EN 60068-2-78	93 % r. h. at 40 °C
Condensation	no
EMC	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-6-2, EN 61000-6-4
Vibration to EN 60068-2-6	
Frequency	10 - 150 Hz
Max. acceleration	1g
Shock stress	
EN 60068-2-27	15g 11 ms
EN 60068-2-29	25g 6 ms
Protection type	
Mounting (e.g. cabinet)	IP54
Housing	IP20
Airgap creepage in accordance with EN 60664-1	
Overvoltage category	II
Pollution degree	2

8.1 Technical details

Mechanical data

Housing material	
Front	PC
Bottom	PC
Dimensions	
Height	128.4 mm
Width	75.2 mm
Depth	79.4 mm
Weight	170 g

Safety characteristic data

Unit	Operating mode	EN ISO 13849-1 PL	EN 954-1 Category	EN IEC 62061 SIL CL	PFH [1/h]	t _M [year]
Logic	---	PL e (Cat. 4)	Cat. 4	SIL CL 3	2.88E-09	20

All the units used within a safety function must be considered when calculating the safety characteristic data.

8.2 Order reference

Order reference	
Description	Order no.
PSSu H F PN (Head module with PROFI-safe interface)	312 043