

8.1 Technical details

Technical details	
Application range	Standard/Failsafe
Module's device code	0C02h
Number of FS output bits	1
Support in system environment A	
from FS firmware version for other head modules	4
from FS firmware version PSSu H F PN	1
Support in system environment B	no
Electrical data	
Internal supply voltage (module supply)	
Supply voltage range of module supply	4.8 - 5.4 V
Module's current consumption	330 mA
Module's power consumption	1.65 W
Max. power dissipation of the module	2.50 W
Infeed for	Periphery Supply
Voltage	24 V DC
Voltage tolerance	-30 %/+25 %
Max. continuous current that the external power supply must provide	8.0 A
Module's current consumption with no load	40 mA
Module's power consumption with no load	0.96 W
Potential isolation between module supply and	3050 V
Periphery Supply	
Switching capability in accordance with UL 508	
240 V AC G. P.	3.0 A
24 V DC G. P. Resistive	3.0 A
24 V DC Pilot Duty	3.0 A
Contact fuse protection in accordance with	VDE 0660
Blow-out fuse, quick	10 A
Blow-out fuse, slow	6 A
Max. processing time for block switching when signal changes from "1" to "0"	120 ms
Max. processing time for block switching when signal changes from "0" to "1"	850 ms
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 in accordance with EN 60068-2-14	0 - 60 °C -40 - 70 °C coated version (-T)
Max. ambient temperature in accordance with UL 508	60 °C
Storage temperature in accordance with EN 60068-2-1/-2	-25 - 70 °C -40 - 70 °C coated version (-T)
Climatic suitability in accordance with EN 60068-2-30, EN 60068-2-78	93 % r. h. at 40 °C
Condensation	no yes coated version (-T)
Max. operating height above sea level	5000 m coated version (-T)
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

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Environmental data	
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	10g
	16 ms
Protection type in accordance with EN 60529	
Mounting (e.g. cabinet)	IP54
Housing	IP20
Terminals	IP20
Airgap creepage in accordance with EN 60664-1	
Overvoltage category	II
Pollution degree	2
Mechanical data	
Housing material	
Front	PC
Bottom	PC
Coding	PA
Dimensions	
Height	76.0 mm
Width	25.4 mm
Depth	60.2 mm
Weight	89 g
Mechanical coding	
Type	I
Colour	yellow

8.2 Order reference

Order reference	
Description	Order no.
PSSu E F BSW (Electronic module)	312 230
PSSu E F BSW-T (Electronic module, coated version)	314 230
Base modules	Order no.
PSSu BS 2/8S (Base module with screw terminals, for use only as the first module after the head module)	312 656
PSSu BS 2/8S-T (Base module with screw terminals, for use only as the first module after the head module, coated version)	314 656
PSSu BS 2/8C (Base module with cage clamp terminals, for use only as the first module after the head module)	312 657
PSSu BS 2/8C-T (Base module with cage clamp terminals, for use only as the first module after the head module, coated version)	314 657