8.1 Technical details

Technical details	
Application range	**Standard**
Module's device code	**0200h**
Number of ST input bits	**4**
Support in system environment A	
from ST firmware version for other head modules	**5**
from ST firmware version PSSu H S PN	**1**
from ST firmware version PSSu WR S IDN	**1**
Support in system environment B	
from head module ST firmware version	**1.0.0**
Electrical data	
Internal supply voltage (module supply)	
Supply voltage range of module supply	**4.8 - 5.4 V**
Module's current consumption	**24 mA**
Module's power consumption	**0.12 W**
Periphery's supply voltage (periphery supply)	
Voltage range	**16.8 - 30.0 V**
Module's current consumption with no load	**0 mA**
Module's power consumption with no load	**0.00 W**
Max. power dissipation of the module	**1.50 W**
Inputs	
Number	**4**
Input voltage	**24 V DC**
Input current	**3.0 - 10.0 mA**
Min. threshold voltage when signal changes from “1” to “0”	**8.0 V**
Max. threshold voltage when signal changes from “0” to “1”	**10.0 V**
Potential isolation between input and voltage for the internal module bus	**yes**
Times	
Max. processing time for input when signal changes from “1” to “0”	**4.00 ms**
Max. processing time for input when signal changes from “0” to “1”	**4.00 ms**
Min. processing time for input when signal changes from “1” to “0”	**3.00 ms**
Min. processing time for input when signal changes from “0” to “1”	**3.00 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)
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)

8.1 Technical details

Environmental data	
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	**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	**12.6 mm**
Depth	**60.2 mm**
Weight	**31 g**
Mechanical coding	
Type	**A**
Colour	**dark grey**

The standards current on **2005-04** apply.

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8.2 Order reference

Order reference	
Description	**Order no.**
PSSu E S 4DI (Electronic module)	312 400
PSSu E S 4DI-T (Electronic module, coated version)	314 400

Base modules	Order no.
PSSu BP 1/8S (Base module without C-rail with screw terminals)	312 600
PSSu BP 1/8S-T (Base module without C-rail with screw terminals, coated version)	314 600
PSSu BP 1/8C (Base module without C-rail with cage clamp terminals)	312 601
PSSu BP 1/8C-T (Base module without C-rail with cage clamp terminals, coated version)	314 601
PSSu BP-C 1/8S (Base module with C-rail and screw terminals)	312 610
PSSu BP-C 1/8S-T (Base module with C-rail and screw terminals, coated version)	314 610
PSSu BP-C 1/8C (Base module with C-rail and cage clamp terminals)	312 611
PSSu BP-C 1/8C-T (Base module with C-rail and cage clamp terminals, coated version)	314 611
PSSu BP 1/12S (Base module without C-rail with screw terminals)	312 618
PSSu BP 1/12S-T (Base module without C-rail with screw terminals, coated version)	314 618
PSSu BP 1/12C (Base module without C-rail with cage clamp terminals)	312 619
PSSu BP 1/12C-T (Base module without C-rail with cage clamp terminals, coated version)	314 619
PSSu BP-C1 1/12S (Base module with C-rail and screw terminals)	312 622
PSSu BP-C1 1/12S-T (Base module with C-rail and screw terminals, coated version)	314 622
PSSu BP-C1 1/12C (Base module with C-rail and cage clamp terminals)	312 623
PSSu BP-C1 1/12C-T (Base module with C-rail and cage clamp terminals, coated version)	314 623