

8.1 Technical details

Technical details	
Application range	Standard
Module's device code	0411h
Number of ST output bits	4
Number of ST status bits	8
Support in system environment A	
from ST firmware version for other head modules	16
from ST firmware version PSSu H S 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	60 mA
Module's power consumption	0.30 W
Periphery's supply voltage (periphery supply)	
Voltage range	16.8 - 30.0 V
Module's current consumption with no load	30 mA
Module's power consumption with no load	0.72 W
Max. power dissipation of the module	1.50 W
Outputs	
Number of positive-switching single-pole semiconductor outputs	4
Short circuit-proof	yes
Potential isolation between semiconductor output and voltage for the internal module bus	yes
Typ. output current at "1" signal and rated voltage of semiconductor output	0.50 A
Permitted current range	0.00 - 0.62 A
Max. pulsed current for $t < 100$ ms	6 A
Residual current at "0" signal	0.02 mA
Max. output current with 1 output under load	2.0 A
Max. output current with 2 outputs under load	1.5 A
Typ. threshold value for overload	8 A
Permitted loads	inductive, capacitive, resistive
Times	
Max. processing time for semiconductor output when signal changes from "1" to "0"	0.500 ms
Max. processing time for semiconductor output when signal changes from "0" to "1"	0.010 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	2000 m 5000 m coated version (-T)

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Environmental data	
EMC	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61131-2
Vibration to EN 60068-2-6	
Frequency	10 - 150 Hz 10 - 1,000 Hz coated version (-T)
Max. acceleration	1g 5g coated version (-T)
Shock stress	
EN 60068-2-27	15g 11 ms
EN 60068-2-29	10g 25g coated version (-T) 16 ms 6 ms coated version (-T)
Protection type in accordance with EN 60529	
Mounting (e.g. cabinet)	IP54
Housing	IP20
Terminals	IP20
Airgap creepage in accordance with EN 60664-1, EN 61131-2	
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	34 g 35 g coated version (-T)
Mechanical coding	
Type	B
Colour	dark grey

The standards current on **2008-04** apply.

8.2 Order reference

Order reference	
Description	Order no.
PSSu E S 4DO 0.5-D (Electronic module)	312 406
PSSu E S 4DO 0.5-TD (Electronic module, coated version)	314 406
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