

## 8.1 Technical details

<b>Technical details</b>	
Application range	<b>Standard</b>
Module's device code	<b>0400h</b>
Number of ST output bits	<b>2</b>
Support in system environment A	
from ST firmware version for other head modules	<b>5</b>
from ST firmware version PSSu H S PN	<b>1</b>
from ST firmware version PSSu WR S IDN	<b>1</b>
Support in system environment B	
from head module ST firmware version	<b>1.0.0</b>
<b>Electrical data</b>	
Internal supply voltage (module supply)	
Supply voltage range of module supply	<b>4.8 - 5.4 V</b>
Module's current consumption	<b>18 mA</b>
Module's power consumption	<b>0.09 W</b>
Periphery's supply voltage (periphery supply)	
Voltage range	<b>16.8 - 30.0 V</b>
Module's current consumption with no load	<b>10 mA</b>
Module's power consumption with no load	<b>0.24 W</b>
Max. power dissipation of the module	<b>1.50 W</b>
<b>Outputs</b>	
Number of positive-switching single-pole semiconductor outputs	<b>2</b>
Short circuit-proof	<b>yes</b>
Potential isolation between semiconductor output and voltage for the internal module bus	<b>yes</b>
Typ. output current at "1" signal and rated voltage of semiconductor output	<b>2.00 A</b>
Permitted current range	<b>0.00 - 2.50 A</b>
Max. pulsed current for $t < 100$ ms	<b>12 A</b>
Residual current at "0" signal	<b>0.01 mA</b>
Permitted loads	<b>inductive, capacitive, resistive</b>
<b>Times</b>	
Max. processing time for semiconductor output when signal changes from "1" to "0"	<b>0.600 ms</b>
Max. processing time for semiconductor output when signal changes from "0" to "1"	<b>0.010 ms</b>
<b>Environmental data</b>	
Climatic suitability	<b>EN 60068-2-14, EN 60068-2-1, EN 60068-2-2, EN 60068-2-30, EN 60068-2-78</b>
Ambient temperature in accordance with <b>EN 60068-2-14</b>	<b>0 - 60 °C</b> <b>-40 - 70 °C coated version (-T)</b>
Storage temperature in accordance with <b>EN 60068-2-1/-2</b>	<b>-25 - 70 °C</b> <b>-40 - 70 °C coated version (-T)</b>
Climatic suitability in accordance with <b>EN 60068-2-30, EN 60068-2-78</b>	<b>93 % r. h. at 40 °C</b>
Condensation	<b>no</b> <b>yes coated version (-T)</b>
Max. operating height above sea level	<b>5000 m coated version (-T)</b>
EMC	<b>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</b>

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<b>Environmental data</b>	
Vibration to <b>EN 60068-2-6</b>	
Frequency	<b>10 - 150 Hz</b>
Max. acceleration	<b>1g</b>
Shock stress	
<b>EN 60068-2-27</b>	<b>15g</b>
	<b>11 ms</b>
<b>EN 60068-2-29</b>	<b>10g</b>
	<b>16 ms</b>
Protection type in accordance with <b>EN 60529</b>	
Mounting (e.g. cabinet)	<b>IP54</b>
Housing	<b>IP20</b>
Terminals	<b>IP20</b>
Airgap creepage in accordance with <b>EN 60664-1</b>	
Overvoltage category	<b>II</b>
Pollution degree	<b>2</b>
<b>Mechanical data</b>	
Housing material	
Front	<b>PC</b>
Bottom	<b>PC</b>
Coding	<b>PA</b>
Dimensions	
Height	<b>76.0 mm</b>
Width	<b>12.6 mm</b>
Depth	<b>60.2 mm</b>
Weight	<b>32 g</b>
Mechanical coding	
Type	<b>C</b>
Colour	<b>dark grey</b>

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

## 8.2 Order reference

Order reference	
<b>Description</b>	<b>Order no.</b>
PSSu E S 2DO 2 (Electronic module)	312 410
PSSu E S 2DO 2-T (Electronic module, coated version)	314 410
<b>Base modules</b>	<b>Order no.</b>
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