

## 8.1 Technical details

Technical details	
Application range	<b>Standard/Failsafe</b>
Module's device code	<b>0801h</b>
Support in system environment A	
from FS firmware version for other head modules	<b>4</b>
from ST firmware version for other head modules	<b>5</b>
from FS firmware version PSSu H F PN	<b>1</b>
from ST firmware version PSSu H S PN	<b>1</b>
from ST firmware version PSSu WR S IDN	<b>6</b>
Support in system environment B	
from head module FS firmware version	<b>1 0.0</b>
from head module ST firmware version	<b>1.0.0</b>
Electrical data	
Infeed for	<b>Module Supply</b>
Voltage	<b>24 V DC</b>
Voltage tolerance	<b>-30 %/+25 %</b>
Output of external power supply (DC)	<b>9.0 W</b>
Max. continuous current that the external power supply must provide	<b>0.6 A</b>
Inrush current that the external power supply must provide	<b>4.0 A</b>
Module's current consumption	<b>23 mA</b>
Module's power consumption	<b>0.12 W</b>
Infeed for	<b>Periphery Supply</b>
Voltage	<b>24 V DC</b>
Voltage tolerance	<b>-30 %/+25 %</b>
Max. continuous current that the external power supply must provide	<b>10.0 A</b>
Voltage output	<b>Module Supply</b>
Voltage	<b>5 V DC</b>
Voltage tolerance	<b>-2 %/+3 %</b>
Current load capacity	<b>1.5 A</b>
Short circuit-proof	<b>yes</b>
Potential isolation between <b>Module Supply</b> and <b>Periphery Supply</b>	<b>3050 V</b>
Max. power dissipation of the module	<b>1.50 W</b>
Environmental data	
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	<b>0 - 60 °C</b> <b>-40 - 70 °C coated version (-T)</b>
Max. ambient temperature in accordance with <b>UL 508</b>	<b>60 °C</b>
Storage temperature	<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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### Environmental data

Vibration to <b>EN 60068-2-6</b>	
Frequency	<b>10 - 150 Hz</b> <b>10 - 1,000 Hz</b> coated version (-T)
Max. acceleration	<b>1g</b> <b>5g</b> coated version (-T)
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>25g</b> coated version (-T) <b>16 ms</b> <b>6 ms</b> coated version (-T)
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>38 g</b> <b>40 g</b> coated version (-T)
Mechanical coding	
Type	<b>B</b>
Colour	<b>yellow</b>

## 8.2 Order reference

Order reference	
Description	Order no.
PSSu E F PS (Electronic module)	312 190
PSSu E F PS-T (Electronic module, coated version)	314 190
Base modules	Order no.
PSSu BS 1/8S (Base module with screw terminals, for use only as the first module after the head module)	312 650
PSSu BS 1/8S-T (Base module with screw terminals, for use only as the first module after the head module, coated version)	314 650
PSSu BS 1/8C (Base module with cage clamp terminals, for use only as the first module after the head module)	312 651
PSSu BS 1/8C-T (Base module with cage clamp terminals, for use only as the first module after the head module, coated version)	314 651
PSSu BS-R 1/8S (Base module with screw terminals, for use only to refresh the voltage and form supply groups)	312 652
PSSu BS-R 1/8S-T (Base module with screw terminals, for use only to refresh the voltage and form supply groups, coated version)	314 652
PSSu BS-R 1/8C (Base module with cage clamp terminals, for use only to refresh the voltage and form supply groups)	312 653
PSSu BS-R 1/8C-T (Base module with cage clamp terminals, for use only to refresh the voltage and form supply groups, coated version)	314 653