

## 8 Technical details

<b>General</b>	<b>772121</b>
Approvals	<b>BG, CCC, CE, GOST, TÜV, cULus Listed</b>
Application range	<b>Failsafe</b>
<b>Electrical data</b>	<b>772121</b>
Supply voltage	
for	<b>Module supply</b>
Voltage	<b>24 V</b>
Kind	<b>DC</b>
Voltage tolerance	<b>-15 %/+20 %</b>
Output of external power supply (DC)	<b>5,0 W</b>
Supply voltage	
for	<b>Supply to the system</b>
internal	<b>Via base unit</b>
Voltage	<b>3,3 V</b>
Kind	<b>DC</b>
Status indicator	<b>LED</b>
<b>Inputs</b>	<b>772121</b>
Maximum input delay	<b>15 ms</b>
<b>Semiconductor outputs</b>	<b>772121</b>
Switch-off delay	<b>5 ms</b>
<b>Fieldbus interface</b>	<b>772121</b>
Galvanic isolation	<b>Yes</b>
<b>Environmental data</b>	<b>772121</b>
Ambient temperature	
In accordance with the standard	<b>EN 60068-2-14</b>
Temperature range	<b>0 - 60 °C</b>
Storage temperature	
In accordance with the standard	<b>EN 60068-2-1/-2</b>
Temperature range	<b>-25 - 70 °C</b>
Climatic suitability	
In accordance with the standard	<b>EN 60068-2-30, EN 60068-2-78</b>
Condensation during operation	<b>Not permitted</b>
EMC	<b>EN 61131-2</b>
Vibration	
In accordance with the standard	<b>EN 60068-2-6</b>
Frequency	<b>5,0 - 55,0 Hz</b>
Acceleration	<b>1g</b>
Shock stress	
In accordance with the standard	<b>EN 60068-2-27</b>
Acceleration	<b>15g</b>
Duration	<b>11 ms</b>
Max. operating height above sea level	<b>2000 m</b>

<b>Environmental data</b>	<b>772121</b>
Airgap creepage	
In accordance with the standard	<b>EN 61131-2</b>
Overvoltage category	<b>II</b>
Pollution degree	<b>2</b>
Rated insulation voltage	<b>30 V</b>
Protection type	
In accordance with the standard	<b>EN 60529</b>
Mounting area (e.g. control cabinet)	<b>IP54</b>
Housing	<b>IP20</b>
Terminals	<b>IP20</b>
<b>Potential isolation</b>	<b>772121</b>
Potential isolation between	<b>Module and system voltage</b>
Type of potential isolation	<b>Protective separation</b>
Rated surge voltage	<b>2500 V</b>
<b>Mechanical data</b>	<b>772121</b>
Mounting position	<b>Horizontal on top hat rail</b>
DIN rail	
Top hat rail	<b>35 x 7,5 EN 50022</b>
Recess width	<b>27 mm</b>
Max. cable length unshielded	<b>30 m</b>
Max. cable length shielded	<b>100 m</b>
Material	
Bottom	<b>PC</b>
Front	<b>PC</b>
Top	<b>PC</b>
Conductor cross section with screw terminals	
1 core flexible	<b>0,25 - 2,50 mm<sup>2</sup>, 24 - 12 AWG</b>
2 core with the same cross section, flexible without crimp connectors or with TWIN crimp connectors	<b>0,20 - 1,50 mm<sup>2</sup>, 24 - 16 AWG</b>
Rigid single-core, flexible multi-core or multi-core with crimp connector	<b>0,5 - 1,5 mm<sup>2</sup></b>
Torque setting with screw terminals	<b>0,50 Nm</b>
Connection type	<b>Spring-loaded terminal, screw terminal</b>
Mounting type	<b>plug-in</b>
Conductor cross section with spring-loaded terminals: Flexible with/without crimp connector	<b>0,20 - 2,50 mm<sup>2</sup>, 24 - 12 AWG</b>
Spring-loaded terminals: Terminal points per connection	<b>2</b>
Stripping length	<b>9 mm</b>
Dimensions	
Height	<b>101,4 mm</b>
Width	<b>22,5 mm</b>
Depth	<b>120,0 mm</b>
Weight	<b>96 g</b>

The standards current on 2013-01 apply.