

SIMATIC HMI connection box cabinet for Mobile Panels, installation in control cabinet, PROFINET and PROFI-safe, connection of safety relay, emergency stop circuit jumper, terminal detection, integrated switch, MRP client, IRT, panel present

General information	
Product type designation	cabinet connection box
Product function	
<ul style="list-style-type: none"> <li>• Web-based management</li> </ul>	Yes
FH technology	
Safety evaluation through direct wiring	
<ul style="list-style-type: none"> <li>• Reconnection without emergency stop circuit interruption</li> <li>• Reconnection with emergency stop circuit interruption</li> <li>• Monitoring the STOP button</li> <li>• Monitoring of emergency stop button</li> <li>• Monitoring of acknowledgement button</li> </ul>	Yes No Yes Yes Yes
Safety evaluation via PROFI-safe	
<ul style="list-style-type: none"> <li>• Reconnection without emergency stop circuit interruption</li> <li>• Reconnection with emergency stop circuit interruption</li> <li>• Monitoring the STOP button</li> <li>• Monitoring of emergency stop button</li> <li>• Monitoring of acknowledgement button</li> </ul>	Yes No Yes Yes Yes
Installation type/mounting	
Wall mounting/direct mounting	No
Control cabinet installation	Yes
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	95 mA
Starting current inrush I <sup>2</sup> t	0.16 A <sup>2</sup> ·s
Power	
Active power input, typ.	2.3 W
Interfaces	
Number of industrial Ethernet interfaces	3
Number of PROFINET interfaces	3
Connection point identification	Yes
Industrial Ethernet	
<ul style="list-style-type: none"> <li>• Industrial Ethernet status LED</li> </ul>	5
Protocols	
PROFINET	Yes
IRT	Yes
PROFI-safe	Yes
EtherNet/IP	Yes
AS-Interface	No
EIB/KNX	No
Protocols (Ethernet)	
<ul style="list-style-type: none"> <li>• TCP/IP</li> <li>• DHCP</li> <li>• SNMP</li> <li>• DCP</li> </ul>	Yes Yes Yes Yes

• LLDP	Yes	
<b>Redundancy mode</b>		
Media redundancy		
— MRP	Yes	
<b>Further protocols</b>		
• MODBUS	Yes	
• other bus systems	No	
<b>EMC</b>		
Emission of radio interference acc. to EN 55 011		
• Limit class A, for use in industrial areas	Yes	
• Limit class B, for use in residential areas	No	
<b>Degree and class of protection</b>		
IP degree of protection	IP65	
IP65 (all-round)	No	
IP (at the front)	IP65	
<b>Standards, approvals, certificates</b>		
CE mark	Yes	
cULus	No; in preparation	
RCM (formerly C-TICK)	Yes	
KC approval	No	
Suitable for safety functions	Yes	
Highest safety class achievable in safety mode		
• Performance level according to ISO 13849-1	PLe	
• SIL acc. to IEC 61508	SIL 3	
<b>Ambient conditions</b>		
Ambient temperature during operation		
• min.	0 °C	
• max.	55 °C	
Relative humidity		
• Operation, max.	90 %	
<b>Configuration</b>		
Configuration software		
• STEP 7 Professional (TIA Portal)	No	
• WinCC Comfort (TIA Portal)	Yes; Optional	
• WinCC Advanced (TIA Portal)	Yes; Optional	
• WinCC Professional (TIA Portal)	Yes; Optional	
<b>Mechanics/material</b>		
Enclosure material (front)		
• Plastic	No	
• Aluminum	Yes	
• Stainless steel	No	
<b>Dimensions</b>		
Width of the housing front	191.5 mm	
Height of housing front	140.5 mm	
Depth of housing	39.1 mm	
<b>Weights</b>		
Weight (without packaging)	0.89 kg	
Weight (with packaging)	1.02 kg	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
eClass	14	27-33-02-92
eClass	12	27-33-02-92
eClass	9.1	27-33-02-92
eClass	9	27-33-02-92
eClass	8	27-24-92-03
eClass	7.1	27-24-92-03
eClass	6	27-24-92-03

ETIM	10	EC002584
ETIM	9	EC002584
ETIM	8	EC002584
ETIM	7	EC002584

**Approvals / Certificates**

General Product Approval	EMV
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[Manufacturer Declaration](#)



[China RoHS](#)



**Functional Safety**

[TUEV](#)

[Type Examination Certificate](#)

last modified:

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