



SIMATIC HMI connection box decentralized for Mobile Panels, wall mounting, PROFINET and PROFIsafe, connection of safety relay, emergency stop circuit jumper, terminal detection, Integrated switch, MRP client, IRT, panel present

General information	
Product type designation	Connection box
Product function	
<ul style="list-style-type: none"> Web-based management 	Yes
FH technology	
Safety evaluation through direct wiring	
<ul style="list-style-type: none"> Reconnection without emergency stop circuit interruption 	Yes
<ul style="list-style-type: none"> Reconnection with emergency stop circuit interruption 	No
<ul style="list-style-type: none"> Monitoring the STOP button 	Yes
<ul style="list-style-type: none"> Monitoring of emergency stop button 	Yes
<ul style="list-style-type: none"> Monitoring of acknowledgement button 	Yes
Safety evaluation via PROFIsafe	
<ul style="list-style-type: none"> Reconnection without emergency stop circuit interruption 	Yes
<ul style="list-style-type: none"> Reconnection with emergency stop circuit interruption 	No
<ul style="list-style-type: none"> Monitoring the STOP button 	Yes
<ul style="list-style-type: none"> Monitoring of emergency stop button 	Yes
<ul style="list-style-type: none"> Monitoring of acknowledgement button 	Yes
Installation type/mounting	
Wall mounting/direct mounting	Yes
Control cabinet installation	No
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 ² t	0.16 A ² ·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"> Industrial Ethernet status LED 	3
Protocols	
PROFINET	Yes
IRT	Yes
PROFIsafe	Yes

EtherNet/IP	Yes	
AS-Interface	No	
EIB/KNX	No	
Protocols (Ethernet)		
• TCP/IP	Yes	
• DHCP	Yes	
• SNMP	Yes	
• DCP	Yes	
• LLDP	Yes	
Redundancy mode		
Media redundancy		
— MRP	Yes	
Further protocols		
• MODBUS	Yes	
• other bus systems	No	
EMC		
Emission of radio interference acc. to EN 55 011		
• Limit class A, for use in industrial areas	No	
• Limit class B, for use in residential areas	No	
Degree and class of protection		
IP degree of protection	IP65	
IP65 (all-round)	Yes	
IP (at the front)	IP65	
Standards, approvals, certificates		
CE mark	Yes	
cULus	Yes	
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	
Ambient conditions		
Ambient temperature during operation		
• min.	0 °C	
• max.	55 °C	
Relative humidity		
• Operation, max.	90 %	
configuration / header		
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	
Mechanics/material		
Enclosure material (front)		
• Plastic	Yes	
• Aluminum	No	
• Stainless steel	No	
Dimensions		
Width of the housing front	230 mm	
Height of housing front	145 mm	
Depth of housing	76 mm	
Weights		
Weight (without packaging)	0.72 kg	
Weight (with packaging)	0.8 kg	
Classifications		
	Version	Classification
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	Functional Safety
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[Manufacturer Declaration](#)



[TUEV](#)

Functional Safety	other
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[Type Examination Certificate](#)

[Type Examination Certificate](#)

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