

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	
Web-based management	Yes
FH technology	
Safety evaluation through direct wiring	
- Reconnection without emergency stop circuit interruption - Reconnection with emergency stop circuit interruption - Monitoring the STOP button - Monitoring of emergency stop button - Monitoring of acknowledgement button	Yes No Yes Yes Yes
Safety evaluation via PROFI-safe	
- Reconnection without emergency stop circuit interruption - Reconnection with emergency stop circuit interruption - Monitoring the STOP button - Monitoring of emergency stop button - Monitoring of acknowledgement button	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 _{st}	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	
Industrial Ethernet status LED	5
Protocols	
PROFINET	Yes
IRT	Yes
PROFI-safe	Yes
EtherNet/IP	Yes
AS-Interface	No
EIB/KNX	No
Protocols (Ethernet)	
- TCP/IP - DHCP - SNMP - DCP	Yes Yes Yes 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	Yes		
• Limit class B, for use in residential areas	No		
Degree and class of protection			
IP degree of protection	IP65		
IP65 (all-round)	No		
IP (at the front)	IP65		
Standards, approvals, certificates			
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		
Ambient conditions			
Ambient temperature during operation			
• min.	0 °C		
• max.	55 °C		
Relative humidity			
• Operation, max.	90 %		
Configuration			
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	No		
• Aluminum	Yes		
• Stainless steel	No		
Dimensions			
Width of the housing front	191.5 mm		
Height of housing front	140.5 mm		
Depth of housing	39.1 mm		
Weights			
Weight (without packaging)	0.89 kg		
Weight (with packaging)	1.02 kg		
Classifications			
		Version	Classification
	eClass	16	27-33-02-92
	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](#)


EG-Konf.




RCM

[China RoHS](#)


RCM

Functional Safety

[TUEV](#)

[Type Examination Certificate](#)

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