

SIMATIC HMI connection box ONE-MPP for Mobile Panels, installation in ONE-MPP, 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	module for connection box
Product function	
Web-based management	Yes
FH technology	
Safety evaluation through direct wiring	
Reconnection without emergency stop circuit interruption	Yes
Reconnection with emergency stop circuit interruption	No
Monitoring the STOP button	Yes
Monitoring of emergency stop button	Yes
Monitoring of acknowledgement button	Yes
Safety evaluation via PROFIsafe	
Reconnection without emergency stop circuit interruption	Yes
Reconnection with emergency stop circuit interruption	No
Monitoring the STOP button	Yes
Monitoring of emergency stop button	Yes
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	
Industrial Ethernet status LED	5
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	Yes		
• Limit class B, for use in residential areas	No		
Degree and class of protection			
IP degree of protection	IP00		
IP65 (all-round)	No		
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.	60 °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		
Dimensions			
Width of the housing front	179 mm		
Height of housing front	80 mm		
Depth of housing	21.3 mm		
Weights			
Weight (without packaging)	0.13 kg		
Weight (with packaging)	0.25 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

last modified:

5/26/2025 

