MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6AV2125-2AE13-0AX0

STANDARD MOBILE-PANEL CONNECTION BOX

Used with the applicable SIMATIC HMI Mobile Panels configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6AV2125-2AE13-0AX0 technical data and applicable product instructions

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Data sheet 6AV2125-2AE13-0AX0

SIMATIC HMI CONNECTION BOX STANDARD FOR MOBILE PANELS, MOUNTED ON WALL, PROFINET AND PROFISAFE, CONNECTIVITY TO SAFETY RELAIS, CONNECTION POINT RECOGNITION, INTEGRATED SWITCH



General information	
Product type designation	SIMATIC HMI connection box, standard
Product function	
• Web-based management	Yes

FH technology	
Safety evaluation through direct wiring	
• Reconnection without emergency stop circuit interruption	No
• Reconnection with emergency stop circuit interruption	Yes
• 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

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• Monitoring of emergency stop button	Yes
• Monitoring of acknowledgement button	Yes
Installation type/mounting	
Wall mounting/direct mounting possible	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)	96 mA
Starting current inrush I^2t	0.15 $A^2 \cdot s$
Power	
Power consumption, 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	3
Protocols	
PROFINET	Yes
IRT	No
MRP	No
PROFIsafe	Yes
AS-Interface	No
EIB/KNX	No
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
Further protocols	
• AS-Interface Safety at Work	No
• SafetyBUS p	No
• CAN	No
• INTERBUS	No
• INTERBUS-Safety	No

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• MODBUS	Yes
• Data-Highway	No
• DeviceNet	No
• DeviceNet Safety	No
• EtherNet/IP	Yes
• Local Operating Network	No
• SUCOnet	No
• Foundation Fieldbus	No
• SERCOS	No
• 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	Yes
Suitable for safety functions	Yes
Marine approval	
• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (Class NK)	No
• Polski Rejestr Statkow (PRS)	No
Highest safety class achievable in safety mode	
• Performance level according to EN ISO 13849-1:2008	PLe
• SIL acc. to IEC 61508	SIL 3
Use in hazardous areas	
• ATEX Zone 2	No
• ATEX Zone 22	No
• cULus Class I Zone 1	No
• cULus Class I Zone 2, Division 2	No

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• FM Class I Division 2	No
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	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 incl. packaging	0.8 kg
Other	
Usable in the following products	
• Product 1	6AV2125-*
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