## SIEMENS

## Data sheet

## 6AV2125-2AE13-0AX0



SIMATIC HMI connection box Standard for Mobile Panels, wall mounting, PROFINET and PROFIsafe, connection of safety relay, terminal detection, integrated switch

Product type designation       Connection box         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 of STOP button       Yes         • Monitoring of emergency stop button       Yes         • Monitoring of Renergency stop circuit interruption       Yes         • Monitoring of Renergency stop circuit interruption       Yes         • Monitoring of acknowledgement button       Yes         • Reconnection with 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 emergency stop button       Yes         • Monitoring of emergency stop button       Yes         • Monitoring of extnowledgement button       Yes         • Monitoring of extnowledgement button       Yes         • Monitoring of extnowledgement button       Yes         • Control cabinet installation       No <td< th=""><th colspan="3">General information</th></td<>	General information		
• 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 energency stop button     Yes       • Monitoring of energency stop circuit interruption     Yes       • Reconnection without emergency stop circuit interruption     Yes       • Reconnection without emergency stop circuit interruption     Yes       • Monitoring of emergency stop circuit interruption     No       • Monitoring of emergency stop circuit interruption     Yes       • Monitoring of emergency stop circuit interruption     Yes       • Monitoring of emergency stop button     Yes       • Monitoring of emergency stop button     Yes       • Monitoring of emergency stop button     Yes       Installation type/mounting     Yes       Vall mounting/direct mounting     Yes       • Control cabinet installation     No       Supply voltage     DC       • Rated value (DC)     24 V       permissible range, lower limit (DC)     28.8 V       Input current     0.15 A*s       Power     0.15 A*s <t< td=""><td>Product type designation</td><td>Connection box</td></t<>	Product type designation	Connection box	
FH technology         Safety evaluation through direct wiring         • Reconnection without emergency stop circuit interruption       No         • Reconnection with emergency stop circuit interruption       Yes         • Monitoring of emergency stop button       Yes         • Monitoring of emergency stop circuit interruption       Yes         • Monitoring of emergency stop circuit interruption       Yes         • Reconnection without emergency stop circuit interruption       Yes         • Reconnection with emergency stop circuit interruption       No         • Reconnection with emergency stop circuit interruption       No         • Monitoring of emergency stop circuit interruption       No         • Monitoring of emergency stop circuit interruption       Yes         • Monitoring of emergency stop button       Yes         • Monitoring of acknowledgement button       Yes         Instalation type/mounting       Yes         Vall       Yes         Supply voltage       DC         Type of supply voltage       DC         Permissible range, uover limit (DC)       19.2 V         permissible range, uover limit (DC)       28.8 V         Input current       Current consumption (rated value)         Sharting current inrush Pt       0.15 A*s         Power </td <td>Product function</td> <td></td>	Product function		
Safety evaluation through direct wiring            • Reconnection without emergency stop circuit interruption        No            • Reconnection with emergency stop circuit interruption        No            • Monitoring the STOP button        Yes             • Monitoring of emergency stop button        Yes             • Monitoring of acknowledgement button        Yes             • Reconnection without emergency stop circuit interruption        Yes             • Monitoring of emergency stop button        Yes             • Monitoring of emergency stop button        Yes             • Monitoring of emergency stop button        Yes             • Installation type/mounting             • Mall mounting/direct mounting             • Type of supply voltage             • Type of supply voltage             • Type of supply voltage                  • Sasting gu	<ul> <li>Web-based management</li> </ul>	Yes	
• Reconnection without emergency stop circuit interruption       No         • Reconnection with emergency stop circuit interruption       Yes         • Monitoring the STOP button       Yes         • Monitoring of emergency stop buton       Yes         • Monitoring of emergency stop buton       Yes         • Monitoring of emergency stop circuit interruption       Yes         • Reconnection without emergency stop circuit interruption       Yes         • Reconnection with emergency stop circuit interruption       No         • Monitoring the STOP buton       Yes         • Monitoring of emergency stop buton       Yes         • Monitoring of emergency stop buton       Yes         • Monitoring of emergency stop buton       Yes         • Monitoring of acknowledgement button       Yes         Installation type/mounting       Yes         Vall mounting/direct mounting       Yes         Control cabinet installation       No         Supply voltage       DC         Rated value (DC)       24 V         permissible range, upper limit (DC)       19.2 V         permissible range, upper limit (DC)       28.8 V         Input current       Current consumption (rated value)         Current consumption (rated value)       96 mA         Starting curr	FH technology		
interruption       Yes         • Monitoring the STOP button       Yes         • Monitoring of emergency stop button       Yes         • Monitoring of emergency stop button       Yes         • Monitoring of acknowledgement button       Yes         Safety evaluation via PROFIsafe       Yes         • Reconnection without emergency stop circuit interruption       Yes         • Reconnection with emergency stop circuit interruption       Yes         • Monitoring of emergency stop circuit interruption       Yes         • Monitoring of emergency stop button       Yes         • Monitoring of acknowledgement button       Yes         Control cabinet installation       No         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)         Current consumption (rated value)	Safety evaluation through direct wiring		
interruptionYes• Monitoring the STOP buttonYes• Monitoring of emergency stop buttonYesSafety evaluation via PROFIsafeYes• Reconnection without emergency stop circuit interruptionYes• Reconnection with emergency stop circuit interruptionNo• Monitoring of emergency stop circuit interruptionNo• Monitoring the STOP buttonYes• Monitoring of emergency stop buttonYes• Monitoring of emergency stop buttonYes• Monitoring of acknowledgement buttonYes• Monitoring of acknowledgement buttonYesControl cabinet installationNoSupply voltageDCRated value (DC)24 Vpermissible range, lower limit (DC)19.2 Vpermissible range, lower limit (DC)19.2 Vpermissible range, lower limit (DC)28.8 VInput current0.15 A²-sCurrent consumption (rated value)96 mAStarting current inrush Pt0.15 A²-sPower2.3 WInterfaces3Number of Industrial Ethernet interfaces3Number of PROFINET interfaces3		No	
<ul> <li>Monitoring of emergency stop button</li> <li>Yes</li> <li>Monitoring of acknowledgement button</li> <li>Yes</li> <li>Safety evaluation via PROFIsafe</li> <li>Reconnection without emergency stop circuit interruption</li> <li>Reconnection with emergency stop circuit interruption</li> <li>Monitoring the STOP button</li> <li>Yes</li> <li>Monitoring of emergency stop button</li> <li>Yes</li> <li>Monitoring of acknowledgement button</li> <li>Yes</li> <li>Control cabinet installation</li> <li>No</li> <li>Supply voltage</li> <li>Type of supply voltage</li> <li>DC</li> <li>Rated value (DC)</li> <li>24 V</li> <li>permissible range, lower limit (DC)</li> <li>28.8 V</li> <li>Input current</li> <li>Current consumption (rated value)</li> <li>96 mA</li> <li>Starting current inrush Pt</li> <li>0.15 A²-s</li> <li>Power</li> <li>Active power input, typ.</li> <li>2.3 W</li> <li>Interfaces</li> <li>Number of industrial Ethernet interfaces</li> <li>3</li> </ul>		Yes	
• Monitoring of acknowledgement button     Yes       Safety evaluation via PROFIsafe       • Reconnection without emergency stop circuit interruption     Yes       • Reconnection with emergency stop circuit interruption     Yes       • Monitoring the STOP button     Yes       • Monitoring of emergency stop button     Yes       • Monitoring of acknowledgement button     Yes       Installation type/mounting     Yes       Wall mounting/direct mounting     Yes       Control cabinet installation     No       Supply voltage     DC       Rated value (DC)     24 V       permissible range, upper limit (DC)     19.2 V       permissible range, upper limit (DC)     28.8 V       Input current     Current consumption (rated value)       Starting current inrush Pt     0.15 A*-s       Power     Active power input, typ.       Active power input, typ.     2.3 W       Interfaces     3       Number of PROFINET interfaces     3	<ul> <li>Monitoring the STOP button</li> </ul>	Yes	
Safety evaluation via PROFIsafe         • 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         Installation type/mounting         Wall mounting/direct mounting         Yees         Control cabinet installation         No         Supply voltage         Type of supply voltage         DC         Rated value (DC)         permissible range, lower limit (DC)         permissible range, upper limit (DC)         permissible range, upper limit (DC)         permissible range, upper limit (DC)         Starting current         Current consumption (rated value)         96 mA         Starting current inrush I <sup>a</sup> t         O.15 A <sup>a<sup>2</sup></sup> s         Power         Active power input, typ.         Z.3 W         Interfaces         Number of Industrial Ethernet interfaces         3	<ul> <li>Monitoring of emergency stop button</li> </ul>	Yes	
• Reconnection without emergency stop circuit interruptionYes• Reconnection with emergency stop circuit interruptionNo• Monitoring the STOP buttonYes• Monitoring of emergency stop buttonYes• Monitoring of acknowledgement buttonYesInstallation type/mountingYesWall mounting/direct mountingYesControl cabinet installationNoSupply voltageDCRated value (DC)24 Vpermissible range, lower limit (DC)19.2 Vpermissible range, upper limit (DC)28.8 VInput current0.15 A²-sPowerActive power input, typ.Active power input, typ.2.3 WInterfaces3Number of industrial Ethernet interfaces3Number of PROFINET interfaces3	<ul> <li>Monitoring of acknowledgement button</li> </ul>	Yes	
interruption     No       • 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     Yes       Wall mounting/direct mounting     Yes       Control cabinet installation     No       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)       Starting current inrush Pt     0.15 A <sup>2</sup> ·s       Power     Active power input, typ.       Active power input, typ.     2.3 W       Interfaces     3       Number of industrial Ethernet interfaces     3	Safety evaluation via PROFIsafe		
interruptionYes• Monitoring the STOP buttonYes• Monitoring of emergency stop buttonYes• Monitoring of acknowledgement buttonYesInstallation type/mountingYesWall mounting/direct mountingYesControl cabinet installationNoSupply voltageDCRated value (DC)24 Vpermissible range, lower limit (DC)19.2 Vpermissible range, upper limit (DC)28.8 VInput currentCurrent consumption (rated value)Current consumption (rated value)96 mAStarting current inrush I*t0.15 A*-sPowerActive power input, typ.Active power input, typ.2.3 WInterfaces3Number of Industrial Ethernet interfaces3Number of PROFINET interfaces3		Yes	
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Installation type/mountingWall mounting/direct mountingYesControl cabinet installationNoSupply voltageDCType of supply voltageDCRated value (DC)24 Vpermissible range, lower limit (DC)19.2 Vpermissible range, upper limit (DC)28.8 VInput currentCurrent consumption (rated value)Starting current inrush I²t0.15 A²·sPowerActive power input, typ.Active power input, typ.2.3 WInterfaces3Number of industrial Ethernet interfaces3Number of PROFINET interfaces3	<ul> <li>Monitoring of emergency stop button</li> </ul>	Yes	
Wall mounting/direct mounting       Yes         Control cabinet installation       No         Supply voltage       DC         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       Outrent consumption (rated value)       96 mA         Starting current inrush I²t       0.15 A²-s         Power       Active power input, typ.       2.3 W         Interfaces       3         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	<ul> <li>Monitoring of acknowledgement button</li> </ul>	Yes	
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permissible range, lower limit (DC)       19.2 V         permissible range, upper limit (DC)       28.8 V         Input current       2000 mA         Current consumption (rated value)       96 mA         Starting current inrush I <sup>2</sup> t       0.15 A <sup>2</sup> ·s         Power       2.3 W         Interfaces       3         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	Type of supply voltage	DC	
permissible range, upper limit (DC)       28.8 V         Input current       28.8 V         Current consumption (rated value)       96 mA         Starting current inrush I²t       0.15 A²·s         Power       2.3 W         Active power input, typ.       2.3 W         Interfaces       3         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	Rated value (DC)	24 V	
Input current         Current consumption (rated value)       96 mA         Starting current inrush I <sup>2</sup> t       0.15 A <sup>2</sup> ·s         Power       2.3 W         Interfaces       Interfaces         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	permissible range, lower limit (DC)	19.2 V	
Current consumption (rated value)       96 mA         Starting current inrush I²t       0.15 A²·s         Power       2.3 W         Active power input, typ.       2.3 W         Interfaces       3         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	permissible range, upper limit (DC)	28.8 V	
Starting current inrush I²t       0.15 A²-s         Power       2.3 W         Active power input, typ.       2.3 W         Interfaces       3         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	Input current		
Power       2.3 W         Interfaces       2.3 W         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	Current consumption (rated value)	96 mA	
Active power input, typ.       2.3 W         Interfaces       3         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	Starting current inrush I <sup>2</sup> t	0.15 A <sup>2</sup> ·s	
Interfaces         Number of industrial Ethernet interfaces       3         Number of PROFINET interfaces       3	Power		
Number of industrial Ethernet interfaces     3       Number of PROFINET interfaces     3	Active power input, typ.	2.3 W	
Number of PROFINET interfaces 3	Interfaces		
	Number of industrial Ethernet interfaces	3	
	Number of PROFINET interfaces	3	
Connection point identification Yes	Connection point identification	Yes	

Industrial Ethernet	
Industrial Ethernet     Industrial Ethernet status LED	3
	5
Protocols	N.
PROFINET	Yes
	No
PROFIsafe	Yes
EtherNet/IP	Yes
AS-Interface	No
EIB/KNX	No
Protocols (Ethernet) • TCP/IP	Voo
• DHCP	Yes Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
Redundancy mode	
Media redundancy	
- MRP	No
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 A, for use in industrial areas     Limit class B, for use in residential areas	No
Degree and class of protection	NO
	IP65
IP degree of protection	Yes
IP65 (all-round) IP (at the front)	IP65
ir (at the nont)	IF 03
Ctandarda, annuavala, acrificatas	
Standards, approvals, certificates	No.
CE mark	Yes
CE mark cULus	Yes
CE mark cULus RCM (formerly C-TICK)	Yes Yes
CE mark cULus RCM (formerly C-TICK) KC approval	Yes Yes No; Available soon
CE mark cULus RCM (formerly C-TICK) KC approval Suitable for safety functions	Yes Yes
CE mark cULus RCM (formerly C-TICK) KC approval Suitable for safety functions Highest safety class achievable in safety mode	Yes Yes No; Available soon Yes
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1	Yes Yes No; Available soon Yes PLe
CE mark cULus RCM (formerly C-TICK) KC approval Suitable for safety functions Highest safety class achievable in safety mode • Performance level according to ISO 13849-1 • SIL acc. to IEC 61508	Yes Yes No; Available soon Yes
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas	Yes Yes No; Available soon Yes PLe SIL 3
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2	Yes Yes No; Available soon Yes PLe SIL 3 No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • ATEX Zone 22	Yes Yes No; Available soon Yes PLe SIL 3 No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • cULus Class I Zone 1	Yes Yes No; Available soon Yes PLe SIL 3 No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • ATEX Zone 22	Yes Yes No; Available soon Yes PLe SIL 3 No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2	Yes Yes No; Available soon Yes PLe SIL 3 No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2	Yes Yes No; Available soon Yes PLe SIL 3 No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No Yes
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No Yes Yes
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • CULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • ATEX Zone 22         • cULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)         • Det Norske Veritas (DNV)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)         • Det Norske Veritas (DNV)         • Korean Register of Shipping (KRS)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)         • Det Norske Veritas (DNV)         • Korean Register of Shipping (KRS)         • Lloyds Register of Shipping (LRS)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)         • Det Norske Veritas (DNV)         • Korean Register of Shipping (KRS)         • Lloyds Register of Shipping (LRS)         • Nippon Kaiji Kyokai (Class NK)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • ATEX Zone 22         • cULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)         • Det Norske Veritas (DNV)         • Korean Register of Shipping (KRS)         • Lloyds Register of Shipping (LRS)         • Nippon Kaiji Kyokai (Class NK)         • Polski Rejestr Statkow (PRS)         • Chinese Classification Society (CCS)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • CULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)         • Det Norske Veritas (DNV)         • Korean Register of Shipping (LRS)         • Lloyds Register of Shipping (LRS)         • Nippon Kaiji Kyokai (Class NK)         • Polski Rejestr Statkow (PRS)         • Chinese Classification Society (CCS)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • ATEX Zone 22         • cULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)         • Det Norske Veritas (DNV)         • Korean Register of Shipping (KRS)         • Lloyds Register of Shipping (LRS)         • Nippon Kaiji Kyokai (Class NK)         • Polski Rejestr Statkow (PRS)         • Chinese Classification Society (CCS)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No
CE mark         cULus         RCM (formerly C-TICK)         KC approval         Suitable for safety functions         Highest safety class achievable in safety mode         • Performance level according to ISO 13849-1         • SIL acc. to IEC 61508         Use in hazardous areas         • ATEX Zone 2         • ATEX Zone 22         • cULus Class I Zone 1         • cULus Class I Zone 2, Division 2         • FM Class I Division 2         Marine approval         • Germanischer Lloyd (GL)         • American Bureau of Shipping (ABS)         • Bureau Veritas (BV)         • Det Norske Veritas (DNV)         • Korean Register of Shipping (KRS)         • Lloyds Register of Shipping (LRS)         • Nippon Kaiji Kyokai (Class NK)         • Polski Rejestr Statkow (PRS)         • Chinese Classification Society (CCS)	Yes Yes No; Available soon Yes PLe SIL 3 No No No No No No No No No No No No No

Relative humidity		
Operation, max.	90 %	
configuration / header		
Configuration software		
<ul> <li>STEP 7 Professional (TIA Portal)</li> </ul>	No	
<ul> <li>WinCC Comfort (TIA Portal)</li> </ul>	Yes; Optional	
<ul> <li>WinCC Advanced (TIA Portal)</li> </ul>	Yes; Optional	
<ul> <li>WinCC Professional (TIA Portal)</li> </ul>	Yes; Optional	
Mechanics/material		
Enclosure material (front)		
Plastic	Yes	
Aluminum	No	
<ul> <li>Stainless steel</li> </ul>	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	
Other		
Usable in the following products		
Product 1	6AV2125-*	
last modified:	8/6/2021 🖸	