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Data sheet 6AV6881-0AE10-0CB0

plug, female, 3-pole, type 4, grid size 3.50 mm, scope of supply: 10 plugs



General information	
Product type designation	Connector, female, 3-pole, type 4
Control elements	
Frame size/design	
● Standard	Yes; 180° straight
Installation type/mounting	
Mounting	Tightening torque min.0.22 Nm to max. 0.25 Nm
Mounting type	Conductor cross-section 0.14 to 1.5 mm²
Wall mounting/direct mounting	Yes; can be plugged into SIMATIC HMI device
Supply voltage	
Rated value (DC)	24 V
Input current	
Current consumption (rated value)	9 A; Typical, maximum value
Interfaces	
HMI-side interface	
● Number of pins HMI-side	3
Device-side interface	
● Number of pins device-side	3
Standards, approvals, certificates	
CE mark	No; No CE marking obligation
CSA approval	Yes
cULus	Yes; cURus
EAC (formerly Gost-R)	Yes
RoHS conformity	Yes; REACH SVHC Lead 7439-92-1
China RoHS compliance	Yes; Environment Friendly Use Period (EFUP): 50 years
Use in hazardous areas	
● ATEX Zone 2	Yes; Device-dependent, see operating instructions
● ATEX Zone 22	Yes; Device-dependent, see operating instructions
● IECEx Zone 2	Yes; Device-dependent, see operating instructions
● IECEx Zone 22	Yes; Device-dependent, see operating instructions
● cULus Class I Zone 1	Yes; Device-dependent, see operating instructions
● cULus Class I Zone 2, Division 2	Yes; Device-dependent, see operating instructions
● FM Class I Division 2	Yes; Device-dependent, see operating instructions
Marine approval	
● Germanischer Lloyd (GL)	Yes; Always comply with the operating instructions of the target device.
● American Bureau of Shipping (ABS)	Yes; Always comply with the operating instructions of the target device.
● Bureau Veritas (BV)	Yes; Always comply with the operating instructions of the target device.
● Det Norske Veritas (DNV)	Yes; Always comply with the operating instructions of the target device.
● Korean Register of Shipping (KRS)	Yes; Always comply with the operating instructions of the target device.

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● Lloyds Register of Shipping (LRS)	Yes; Always comply with the operating instructions of the target device.
● Nippon Kaiji Kyokai (Class NK)	Yes; Always comply with the operating instructions of the target device.
● Polski Rejestr Statkow (PRS)	Yes; Always comply with the operating instructions of the target device.
● Chinese Classification Society (CCS)	Yes; Always comply with the operating instructions of the target device.
Ambient conditions	
Suited for indoor use	Yes; Flammability class according to UL 94-V0
Suited for outdoor use	Yes; possible under certain conditions
Ambient temperature during operation	
● min.	0 °C
● max.	55 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	70 °C
Relative humidity	
● Operation, max.	80 %
Mechanics/material	
Material	
● plastic	Yes; Screw terminal with tension bushing
Enclosure material (front)	
● plastic	Yes; Screw terminal with tension bushing
Enclosure color (front)	green
Torques/forces	
● Tightening torque, min.	0.22 N·m
● Tightening torque, max.	0.25 N·m
Dimensions	
Width	10.5 mm; Contact spacing 3.5 mm
Height	11.1 mm
Depth	16.1 mm
Weights	
Weight (without packaging)	0.7 g; Per unit
Scope of supply	
Delivery quantity in pieces	10; Units per set
Other	
printable with laser printer	No
Merchandise	Yes; MC 1,5/ 3-ST-3,5 - 1840379
Manufacturer name	PHOENIX CONTACT
Manufacturer's address	Flachsmarktstraße 8, 32825 Blomberg, Germany
Target devices	suitable for all appropriate interfaces
Note:	Screwdriver, slot, VDE insulated, size: 0.4 mm x 2.5 mm x 80 mm

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
IDEA	4	3552
UNSPSC	15	32-15-17-03

Approvals / Certificates

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General Product Approval	Test Certificates
CCC, cULus, EAC, CE EG-Konf., UKCA	Type Test Certificates/Test Report

Test Certificates	Maritime application
Special Test Certificate	BUREAU VERITAS, DNV, LRS, PRS, RINA

other	Environment
Confirmation	Environmental Confirmations

产品合格 QC PASS

Further information

Usable in the following products: Detailed information can be found in the cross-list, which is available for download in the following SIOS note: 40466415
https://support.industry.siemens.com/cs/document/40466415/status-of-the-simatic-hmi-accessories-and-cross-list-update?dti=0&lc=en-WW

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