SIEMENS

Data sheet 6AV6671-3XY48-4AX0

plug, female, 16-pole, 180°, max.: 1.5 mm2, scope of supply: 10 plugs



General information	
Product type designation	Connector, female, 16-pin
Installation type/mounting	
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	16; Female, spring-loaded terminals, 3.5 mm grid
Device-side interface	
● Number of pins device-side	16; Female, spring-loaded terminals 0.75 mm²
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes; 200039-1121690
UL approval	Yes; E60693
cULus	Yes; cURus
EAC (formerly Gost-R)	Yes
RoHS conformity	Yes
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.
● 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.

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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; Insulating material PA66 GF30, actuators PA66/6
Enclosure material (front)	
● Plastic	Yes; Spring-loaded terminals 1.5 mm²
Enclosure color (front)	Black
Service life	
● Mechanical service life (mating cycles)	25
Dimensions	
Width	28 mm; 16-pin connector
Height	15.2 mm
Depth	26.25 mm
Weights	
Weight, approx.	10.5 g
Scope of supply	
Delivery quantity in pieces	10; Without ejector
Other	
Merchandise	No
Manufacturer name	SIEMENS AG
Manufacturer's address	Gleiwitzerstraße 555, 90475 Nuremberg, Germany
Target devices	for KP8F PN, KP32F PN

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

General Product Approval	EMV

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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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