SIEMENS

Data sheet 6AG1688-3XY38-2AX0

Figure similar

SIPLUS HMI design empty front in KP8 format based on 6AV3688-3XY38-3AX0 with conformal coating, -40…+60 °C, start up -25 °C, design empty front in KP8 format for easy mounting of standard 22.5 mm operator controls, ideal for the setup of modular operator panels; also suitable for installation in extension units of the pro devices

General information	
Product type designation	Empty front design
based on	6AV3688-3XY38-3AX0
Installation type/mounting	
Mounting type	Clamp terminals
Mounting position	any
Rack mounting	No
Front mounting	Yes; Compatible with Extension Units dimensions
Rail mounting	No
Wall mounting/direct mounting	No
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without external ventilation	180°; To the front/rear
Number of slots for command devices and signaling units	5; Max. 5 possible
Supply voltage	
Design of the power supply	external
Interfaces	
Number of industrial Ethernet interfaces	0
Number of PROFINET interfaces	0
Number of USB interfaces	0
Protocols	
PROFINET	No
PROFIsafe	No
Redundancy mode	
Media redundancy	
— MRP	No
Test commissioning functions	
Key and signal lamp test	No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
● Enclosure Type 4 at the front	No
● Enclosure Type 4x at the front	No
Standards, approvals, certificates	
Suitable for safety functions	Yes; e.g. installation of emergency stop
Ambient conditions	

Subject to change without notice
© Copyright Siemens

Ambient temperature during operation	
● min.	-40 °C; = Tmin
● max.	60 °C; = Tmax
Operation (vertical installation)	
— For vertical installation, min.	-40 °C; = Tmin
— For vertical installation, max.	60 °C; = Tmax
Operation (max. tilt angle)	
— At maximum tilt angle, min.	-40 °C; = Tmin
— At maximum tilt angle, max.	60 °C; = Tmax
Operation (vertical installation, portrait format)	
— For vertical installation, min.	-40 °C; = Tmin
— For vertical installation, max.	60 °C; = Tmax
Operation (max. tilt angle, portrait format)	
— At maximum tilt angle, min.	-40 °C; = Tmin
— At maximum tilt angle, max.	60 °C; = Tmax
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	80 °C
Mechanics/material	
Enclosure material (front)	
● plastic	No
● Aluminum	Yes
● Stainless steel	No
Dimensions	
Width	98 mm
Height	155 mm
Mounting cutout, width	68 mm; Max. thickness of mounting plate 2 - 6 mm
Mounting cutout, height	129 mm
mounting depth	49 mm
Weights	
Weight (without packaging)	240 g
Other	
Merchandise	Yes
Manufacturer name	SIEMENS AG
Manufacturer's address	Gleiwitzerstraße 555, 90475 Nuremberg, Germany

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

Subject to change without notice
© Copyright Siemens

Manufacturer Declaration

China RoHS

China RoHS

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

last modified: 7/28/2025

Subject to change without notice
© Copyright Siemens