SIEMENS

Data sheet 6AV2185-8FF01-0AA0

Extension unit 22" KP12F PN for mounting on all fully IP65-protected 16:9 HMI/IPC devices. For the flexible installation of operator controls, 8 mounting positions, 8 operator controls equippable. Connection via PROFIsafe (without equipment)



Product type designation Control elements Version of actuating element Operating principle of the actuating element Tactile feedback Functional lighting Yes: Freely configurable colors: Red, green, blue, white, yellow With parameterizable keys Installation type/mounting Mounting Mounting For mounting on a 16.9 HMI / IPC PRO device (lower part) Mounting type Sorewed joint Rack mounting No No Front mounting No No Front mounting No Sumper of slots for command devices and signalling units RFID reader can be installed Yes; SIMATIC RF200 Access Control Reader RF1060R 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) power Active power input, typ. 3.6 W; Additional 0.1 W per operator control with LED or 0.5 W per RSB illuminated pushbutton or 2.6 W per KP12 Interfaces Number of Industrial Ethernet interfaces Number of PROFINET interfaces PROFIsafe Yes: 1x SIL 2 (two-channel) or 2x SIL 3 (single-channel) emergency stop sensor Redundancy mode Media redundancy — MRP Yes Degree and class of protection IP (all-round) IP 66 Standards, approvals, certificates CE mark Ves UL approval	General information		
Version of actuating element Operating principle of the actuating element Functional lighting With parameterizable keys Yes Installation type/mounting Mounting Mounting Mounting Mounting Mounting For mounting on a 16:9 HMI / IPC PRO device (lower part) Mounting type Screwed joint Rack mounting No	Product type designation	Extension Unit 22" KP12F PN	
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Interfaces Number of industrial Ethernet interfaces 2; For the construction of lines and rings without external switch Number of PROFINET interfaces 2; Incl. switch Protocols PROFIsafe Yes; 1x SIL 2 (two-channel) or 2x SIL 3 (single-channel) emergency stop sensor Redundancy mode Media redundancy — MRP Yes Degree and class of protection IP (all-round) IP65 Standards, approvals, certificates CE mark Yes UL approval Yes	Power		
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Number of PROFINET interfaces Protocols PROFIsafe Yes; 1x SIL 2 (two-channel) or 2x SIL 3 (single-channel) emergency stop sensor Redundancy mode Media redundancy — MRP Pes Degree and class of protection IP (all-round) Standards, approvals, certificates CE mark UL approval Yes Yes 1, Incl. switch Yes; 1x SIL 2 (two-channel) or 2x SIL 3 (single-channel) emergency stop sensor IP (sll - channel) emergency stop sensor Yes Yes	Interfaces		
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Redundancy mode Media redundancy — MRP Pes Degree and class of protection IP (all-round) Standards, approvals, certificates CE mark UL approval Stop sensor Yes Yes Yes Yes Yes	Protocols		
Media redundancy — MRP Yes Degree and class of protection IP (all-round) IP65 Standards, approvals, certificates CE mark Yes UL approval Yes	PROFIsafe		
— MRP Yes Degree and class of protection IP (all-round) IP65 Standards, approvals, certificates CE mark Yes UL approval Yes	Redundancy mode		
Degree and class of protection IP (all-round) Standards, approvals, certificates CE mark UL approval Yes	Media redundancy		
IP (all-round) Standards, approvals, certificates CE mark UL approval Yes Yes	— MRP	Yes	
Standards, approvals, certificates CE mark UL approval Yes Yes	Degree and class of protection		
CE mark Yes UL approval Yes	IP (all-round)	IP65	
UL approval Yes	Standards, approvals, certificates		
	CE mark	Yes	
	UL approval	Yes	
160	cULus	Yes	

RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes; EAC
Suitable for safety functions	Yes; e.g. installation of emergency stop
Ambient conditions	
Ambient temperature during operation	
• min.	0°C
• max.	50 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	0°C
Altitude during operation relating to sea level	
Installation altitude above sea level, max.	2 000 m
Relative humidity	
Operation, max.	90 %; no condensation
Mechanics/material	
Material	
Aluminum	Yes
Enclosure material (front)	
Aluminum	Yes; Knockout covered with black film
Dimensions	
Width	527 mm
Height	99 mm
Depth	100.65 mm
Weights	
Weight (without packaging)	2.8 kg
Scope of supply	
Delivery quantity in pieces	1

4/21/2021

last modified: