

Extension unit 22" KP12 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 PROFINET (without equipment)



| General information | |
|---|---|
| Product type designation | Extension Unit 22" KP12 PN |
| Control elements | |
| Version of actuating element | 1x Key Panel 12 |
| Operating principle of the actuating element | Tactile feedback |
| Functional lighting | Yes; Freely configurable colors: Red, green, blue, white, yellow |
| With parameterizable keys | Yes |
| Connection type | |
| <ul style="list-style-type: none"> Connection type of the safety-related contacts (emergency stop) | 8-pin connector |
| Installation type/mounting | |
| Mounting | For mounting on a 16:9 HMI / IPC PRO device (lower part) |
| Mounting type | Screwed joint |
| Rack mounting | No |
| Front mounting | No |
| Number of slots for command devices and signaling units | 8 |
| RFID reader can be installed | Yes; SIMATIC RF200 Access Control Reader RF1060R |
| Supply voltage | |
| 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 | |
| Current consumption (rated value) | 150 mA; without load |
| Power | |
| Active power input, typ. | 3.6 W; Additional 0.1 W per operator control with LED or 0.5 W per RGB illuminated pushbutton or 2.6 W per KP12 |
| 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 | |
| PROFINET | Yes |
| Redundancy mode | |
| Media redundancy | |
| — MRP | Yes |
| Degree and class of protection | |
| IP (all-round) | IP65 |
| Standards, approvals, certificates | |
| CE mark | Yes |

| | |
|-------------------------------|--|
| UL approval | Yes |
| 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. | 60 °C |
| Altitude during operation relating to sea level | |
| • Installation altitude above sea level, max. | 2 000 m |
| Relative humidity | |
| • Operation, max. | 90 %; no condensation |

Cables

| | |
|--------------|-------------------------------|
| Cable length | 30 m; Max. for emergency stop |
|--------------|-------------------------------|

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 |
| Components included | Power supply connectors and 8-pole plug-in connectors for safety-related inputs |

Classifications

| | Version | Classification |
|--------|---------|----------------|
| 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 | Industrial Communication |
|--------------------------|-----|--------------------------|

[Manufacturer Declaration](#)



[PROFINET](#)

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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