


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 PROFI-safe (without equipment)



| General information | |
|---|---|
| Product type designation | Extension Unit 22" KP12F 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 |
| 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 | |
| PROFI-safe | 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 |
| 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 |
| 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 connector |
| last modified: | 4/21/2021  |