

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)



| 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                                               |                                                                                                                 |
| 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                                                                                                             |
| 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 |

#### 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 |
|--------------------------|-----|

[Manufacturer Declaration](#)



[China RoHS](#)



|                   |                          |
|-------------------|--------------------------|
| Functional Safety | Industrial Communication |
|-------------------|--------------------------|

[TUEV](#)

[Type Examination Certificate](#)

[TUEV](#)

[PROFIsafe](#)

[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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