

# Input module CP-E16-M12-EL

Part number: 546923

**FESTO**



## Data sheet

| Feature                                      | Value                                                            |
|----------------------------------------------|------------------------------------------------------------------|
| Type of mounting                             | With through-hole<br>With H-rail<br>Either:                      |
| Ambient temperature                          | -5 °C...50 °C                                                    |
| Storage temperature                          | -20 °C...70 °C                                                   |
| Degree of protection                         | IP65<br>IP67                                                     |
| Corrosion resistance class CRC               | 1 - Low corrosion stress                                         |
| LABS (PWIS) conformity                       | VDMA24364-B2-L                                                   |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with EU RoHS Directive      |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions            |
| KC mark                                      | KC-EMV                                                           |
| Approval                                     | RCM trademark<br>c UL us listed (OL)                             |
| Note on materials                            | RoHS-compliant                                                   |
| Material housing                             | PA-reinforced                                                    |
| Material cover                               | PA-reinforced                                                    |
| LED display                                  | 16 Channel status<br>2 Module diagnostics<br>4 Group diagnostics |
| Max. number of inputs                        | 16                                                               |
| Operational voltage range DC                 | 18 V...30 V                                                      |
| Nominal operating voltage DC                 | 24 V                                                             |
| Operating voltage DC load voltage            | 24 V                                                             |
| Residual ripple, load voltage                | 4 Vpp                                                            |
| Characteristic for inputs                    | IEC1131-T2                                                       |
| Switching level                              | Signal 0: ≤ 6 V<br>Signal 1: ≥ 8.6 V                             |
| Switching logic for inputs                   | PNP (positive switching)                                         |
| Input debounce time                          | 3 ms (0.5 ms, 10 ms, 20 ms, parameterisable)                     |
| Max. total current per module                | 0.7 A                                                            |
| Isolation channel - channel                  | no                                                               |

| Feature                         | Value                                              |
|---------------------------------|----------------------------------------------------|
| Fuse protection (short circuit) | Internal electronic fuse protection for each group |