



## PSC1-C-10-FB2-PBPS

- Memory card
- Device in safety fieldbus networks
- integrated SD-Bus-Gateway
- Modular expansion with up to 64 inputs / outputs
- 4 safe 2 A pp-switching semiconductor outputs, switchable to 2 safe p- / n-switching semiconductor outputs
- 14 safe inputs on the base module
- 2 Signalling outputs
- 2 safety relay contacts

## Data

### Ordering data

|                               |                    |
|-------------------------------|--------------------|
| Product type description      | PSC1-C-10-FB2-PBPS |
| Article number (order number) | 103011989          |
| EAN (European Article Number) | 4030661482415      |
| eCl@ss number, version 12.0   | 27-24-22-07        |
| eCl@ss number, version 11.0   | 27-24-22-07        |
| eCl@ss number, version 9.0    | 27-24-22-07        |
| ETIM number, version 7.0      | EC000236           |
| ETIM number, version 6.0      | EC000236           |

### Approvals - Standards

|              |              |
|--------------|--------------|
| Certificates | TÜV<br>cULus |
|--------------|--------------|

### General data - Features

|              |     |
|--------------|-----|
| SD Card Slot | Yes |
|--------------|-----|

|                                             |     |
|---------------------------------------------|-----|
| Master-Slave-Communication (decentralized)  | Yes |
| Master-Master-Kommunikation                 | Yes |
| Integrated SD gateway                       | Yes |
| Number of pulse outputs (test pulse output) | 2   |
| Number of relay outputs (1-channel)         | 2   |
| Number of digital fail-safe inputs          | 14  |
| Number of fail-safe digital outputs         | 4   |
| Number of signalling outputs                | 2   |
| Anzahl der Erweiterungsbaugruppen, maximal  | 2   |

### Safety classification

|                                                            |                          |
|------------------------------------------------------------|--------------------------|
| Performance Level, up to                                   | e                        |
| Category                                                   | 4                        |
| PFH value                                                  | $1.26 \times 10^{-8}$ /h |
| Safety Integrity Level (SIL), suitable for applications in | 3                        |
| Mission time                                               | 20 Year(s)               |

### Mechanical data

|          |                                   |
|----------|-----------------------------------|
| Mounting | can be clipped into standard rail |
|----------|-----------------------------------|

### Mechanical data - Connection technique

|                             |                           |
|-----------------------------|---------------------------|
| Cable section, minimum      | 0.2 mm <sup>2</sup>       |
| Cable section, maximum      | 2.5 mm <sup>2</sup>       |
| Wire cross-section, minimum | 24 AWG                    |
| Wire cross-section, maximum | 12 AWG                    |
| Wire cross-section          | 24 ... 12 AWG             |
| Terminal (mechanical)       | Removable screw terminals |

### Mechanical data - Dimensions

|       |         |
|-------|---------|
| Width | 67.5 mm |
|-------|---------|

|        |        |
|--------|--------|
| Height | 100 mm |
|--------|--------|

|       |        |
|-------|--------|
| Depth | 115 mm |
|-------|--------|

### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP20 |
|----------------------|------|

|                     |               |
|---------------------|---------------|
| Ambient temperature | +0 ... +50 °C |
|---------------------|---------------|

|                                   |                |
|-----------------------------------|----------------|
| Storage and transport temperature | -25 ... +70 °C |
|-----------------------------------|----------------|

|                            |     |
|----------------------------|-----|
| Relative humidity, minimum | 5 % |
|----------------------------|-----|

|                            |      |
|----------------------------|------|
| Relative humidity, maximum | 85 % |
|----------------------------|------|

|                          |                |
|--------------------------|----------------|
| Note (Relative humidity) | non-condensing |
|--------------------------|----------------|

|                                                            |         |
|------------------------------------------------------------|---------|
| Permissible installation altitude above sea level, maximum | 2,000 m |
|------------------------------------------------------------|---------|

### Ambient conditions - Insulation values

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
|----------------------|-----|

|                     |   |
|---------------------|---|
| Degree of pollution | 2 |
|---------------------|---|

### Electrical data

|                   |                      |
|-------------------|----------------------|
| Operating voltage | 24 VDC -15 % / +20 % |
|-------------------|----------------------|

|                         |        |
|-------------------------|--------|
| Rated operating voltage | 24 VDC |
|-------------------------|--------|

### Electrical data - Universal communication interface

|                                      |      |
|--------------------------------------|------|
| Designation, Communication interface | DSUB |
|--------------------------------------|------|

### Electrical data - Communication protocols

CANopen  
PROFIBUS  
PROFIBUS / PROFIsafe

### Electrical data - Safety digital outputs

|                                          |          |
|------------------------------------------|----------|
| Rated operating current (safety outputs) | 2,000 mA |
|------------------------------------------|----------|

Electrical data - Safe relay outputs

|                                     |         |
|-------------------------------------|---------|
| Voltage, Utilisation category AC-15 | 230 VAC |
| Current, Utilisation category AC-15 | 2 A     |
| Voltage, Utilisation category DC-13 | 24 VDC  |
| Current, Utilisation category DC-13 | 2 A     |

Electrical data - Electromagnetic compatibility (EMC)

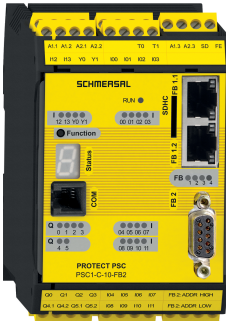
|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| Electromagnetic compatibility | DIN EN 62061<br>DIN EN 61800-3                         |
| Interfering radiation         | DIN EN 61000-6-4                                       |
| EMC rating                    | DIN EN 61000-6-7<br>DIN EN 61326-3<br>DIN EN 61000-6-2 |

Scope of delivery

|                   |                                                |
|-------------------|------------------------------------------------|
| Scope of delivery | Backplane bus connector<br>Connector terminals |
|-------------------|------------------------------------------------|

Pictures

Product picture (catalogue individual photo)



ID: kpsc1f10  
| 1.1 MB | .jpg | 352.425 x 497.417 mm - 999 x 1410 px - 72 dpi  
| 87.3 kB | .png | 74.083 x 104.422 mm - 210 x 296 px - 72 dpi  
| 102.7 kB | .jpg | 87.489 x 123.472 mm - 248 x 350 px - 72 dpi