

# SIMATIC ET 200 distributed I/O

## ET 200SP

Interface modules without CPU  
IM 155-6

| Ordering data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Article No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Article No.                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Interface module Standard</b> <ul style="list-style-type: none"> <li>IM 155-6PN ST, with server module and installed BusAdapter BA 2xRJ45</li> <li>IM 155-6PN ST, with server module, without BusAdapter</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>6ES7155-6AA00-0BN0</b><br><br><b>6ES7155-6AU00-0BN0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>6ES7132-6HD00-0BB0</b><br><br><b>6ES7132-6GD50-0BA0</b>                                                                                                                                                                      |
| <b>Interface module High Feature</b> <ul style="list-style-type: none"> <li>IM 155-6DP HF, with server module, with multi-hot-swap, incl. PROFIBUS connector</li> <li>IM 155-6PN HF, incl. server module, without BusAdapter</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6ES7155-6BA00-0CN0</b><br><br><b>6ES7155-6AU00-0CN0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>6ES7136-6DB00-0CA0</b><br><br><b>6ES7136-6RA00-0BF0</b>                                                                                                                                                                      |
| <b>Accessories</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                 |
| <b>Digital input modules</b><br><br>Digital input module<br>DI 8x24 V DC Standard,<br>BU type A0,<br>color code CC01<br><br>Digital input module<br>DI 16x24 V DC Standard,<br>BU type A0, color code CC00<br><br>Digital input module<br>DI 8x24 V DC High Feature,<br>BU type A0, color code CC01,<br>channel-specific diagnostics,<br>isochronous mode,<br>shared input (MSI)<br><br>Digital input module<br>DI 8x24 V DC Source Input, Basic,<br>BU type A0, color code CC02<br><br>Digital input module<br>DI 8xNAMUR High Feature,<br>BU type A0, color code CC01<br><br>Digital input module<br>DI 4x120 V AC-230 V AC Standard,<br>BU type B1, color code CC41<br><br>Fail-safe digital input module<br>F-DI 8x24 V DC High Feature,<br>BU type A0, color code CC01,<br>SIL3/Cat.4/PLe                | <b>6ES7131-6BF00-0BA0</b><br><br><b>6ES7131-6BH00-0BA0</b><br><br><b>6ES7131-6BF00-0CA0</b><br><br><b>6ES7131-6BF60-0AA0</b><br><br><b>6ES7131-6TF00-0CA0</b><br><br><b>6ES7131-6FD00-0BB1</b><br><br><b>6ES7136-6BA00-0CA0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>6ES7132-6HD00-0BA1</b><br><br><b>6ES7134-6GD00-0BA1</b><br><br><b>6ES7134-6JD00-0CA1</b><br><br><b>6ES7134-6HB00-0DA1</b><br><br><b>6ES7134-6JF00-0CA1</b><br><br><b>6ES7134-6HB00-0CA1</b><br><br><b>6ES7134-6PA00-0BD0</b> |
| <b>Digital output modules</b><br><br>Digital output module<br>DQ 4x24 V DC/2 A Standard,<br>BU type A0, color code CC02<br><br>Digital output module<br>DQ 4x24 V DC/2 A High Feature,<br>BU type A0, color code CC02,<br>channel-precise diagnostics,<br>isochronous mode,<br>shared output (MSO)<br><br>Digital output module<br>DQ 4x24 V AC-230 V AC/2 A<br>Standard for BU type B1,<br>color code CC41<br><br>Digital output module<br>DQ 8x24 V DC/0.5 A Standard,<br>BU type A0, color code CC02<br><br>Digital output module<br>DQ 8x24 V DC/0.5 A High Feature,<br>BU type A0, color code CC02<br><br>Digital output module<br>DQ 8x24 V DC/0.5 A Sink output,<br>Basic, BU type A0,<br>color code CC01<br><br>Digital output module<br>DQ 16x24 V DC/0.5 A Standard,<br>BU type A0, color code CC00 | <b>6ES7132-6BD20-0BA0</b><br><br><b>6ES7132-6BD20-0CA0</b><br><br><b>6ES7132-6FD00-0BB1</b><br><br><b>6ES7132-6BF00-0BA0</b><br><br><b>6ES7132-6BF00-0CA0</b><br><br><b>6ES7132-6BF60-0AA0</b><br><br><b>6ES7132-6BH00-0BA0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>6ES7132-6HD00-0BA1</b><br><br><b>6ES7135-6HB00-0DA1</b><br><br><b>6ES7135-6HB00-0CA1</b>                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Relay module<br>RQ NO 4x120 V DC - 230 V AC/5 A<br>Standard, normally-open,<br>BU type B0, color code CC00<br><br>Signal relay module<br>RQ CO 4x24 V UC/2 A Standard,<br>changeover contact, BU type A0,<br>color code CC00<br><br>Fail-safe digital output module<br>F-DQ 4x24 V DC High Feature,<br>BU type A0, color code CC01,<br>SIL3/Cat.4/PLe<br><br>Fail-safe digital F output module<br>relay 1 F-RQ, BU type F0, relay<br>output (2 NO contacts), total output<br>current 5 A, load voltages 24 V DC<br>and 24...230 V AC; can be used up<br>to SIL3 /Category 4/PLe if controlled<br>via F-DQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Analog input modules</b><br><br>Analog input module<br>AI 4xU/I 2-wire Standard,<br>BU type A0 or A1,<br>color code CC03, 16 bit, $\pm 0.3\%$<br><br>Analog input module<br>AI 4xI 2-/4-wire Standard,<br>BU type A0 or A1,<br>color code CC03, 16 bit, $\pm 0.3\%$<br><br>Analog input module<br>AI 4xRTD/TC 2-, 3-, 4-wire High<br>Feature, BU type A0 or A1,<br>color code CC00, 16 bit, $\pm 0.1\%$ ,<br>scalable measuring range<br><br>Analog input module<br>AI 2xU/I 2-/4-wire High Speed,<br>BU type A0 or A1, color code<br>CC00, 16 bit, $\pm 0.3\%$ , isochronous<br>mode above 250 $\mu$ s, oversampling<br>above 50 $\mu$ s<br><br>Analog input module<br>AI 8xRTD/TC 2-wire High Feature,<br>BU type A0 or A1, color code<br>CC00, 16 bit, $\pm 0.1\%$ , scalable<br>measuring range<br><br>Analog input module<br>AI 2xU/I 2-/4-wire High Feature,<br>BU type A0 or A1, color code<br>CC05, 16 bit, $\pm 0.1\%$ , independent<br>channel isolation, isochronous<br>mode above 1 ms<br><br>Analog input module<br>AI Energy Meter Standard,<br>BU type D0, color code CC00 |                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Analog output modules</b><br><br>Analog output module<br>AQ 4xU/I Standard,<br>BU type A0 or A1,<br>color code CC00, 16 bit, $\pm 0.3\%$<br><br>Analog output module<br>AQ 2xU/I High Speed,<br>BU type A0 or A1,<br>color code CC00, 16 bit, $\pm 0.3\%$<br><br>Analog output module<br>AQ 2xU/I High Feature,<br>BU type A0 or A1,<br>color code CC00, 16 bit, $\pm 0.1\%$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                 |

## Technical specifications (continued)

|                                             | 6ES7132-6BD20-0BA0<br>DQ 4x24VDC/2A ST | 6ES7132-6BD20-0CA0<br>DQ 4x24VDC/2A HF | 6ES7132-6FD00-0BB1<br>DQ 4x24 ... 230VAC/2A | 6ES7132-6BF00-0BA0<br>DQ 8x24VDC/0.5A ST | 6ES7132-6BF00-0CA0<br>DQ 8x24VDC/0.5A HF |
|---------------------------------------------|----------------------------------------|----------------------------------------|---------------------------------------------|------------------------------------------|------------------------------------------|
| Open-circuit detection                      |                                        |                                        | No                                          |                                          |                                          |
| Overload protection                         |                                        |                                        | No                                          |                                          |                                          |
| Limitation of inductive shutdown voltage to | Typ. L+ (-50 V)                        | L+ -(37 to 41V)                        |                                             | Typ. L+ (-50 V)                          | Typ. L+ (-50 V)                          |
| Controlling a digital input                 | Yes                                    | Yes; Minimum current consumption 7 mA  | Yes                                         | Yes                                      | Yes                                      |
| Switching capacity of the outputs           |                                        |                                        |                                             |                                          |                                          |
| • with resistive load, max.                 | 2 A                                    | 2 A                                    | 2 A                                         | 0.5 A                                    | 0.5 A                                    |
| • on lamp load, max.                        | 10 W                                   | 10 W                                   | 100 W                                       | 5 W                                      | 5 W                                      |
| Load resistance range                       |                                        |                                        |                                             |                                          |                                          |
| • lower limit                               | 12 Ω                                   | 12 Ω                                   |                                             | 48 Ω                                     | 48 Ω                                     |
| • upper limit                               | 3 400 Ω                                | 3 400 Ω                                |                                             | 12 kΩ                                    | 12 kΩ                                    |
| Output voltage                              |                                        |                                        |                                             |                                          |                                          |
| • Type of output voltage                    |                                        | DC                                     |                                             |                                          |                                          |
| • for signal "1", min.                      |                                        |                                        | 20.4 V                                      |                                          |                                          |
| • Permissible voltage at output, min.       |                                        |                                        | 20.4 V                                      |                                          |                                          |
| • Permissible voltage at output, max.       |                                        |                                        | 264 V                                       |                                          |                                          |
| Output current                              |                                        |                                        |                                             |                                          |                                          |
| • for signal "1" rated value                | 2 A                                    | 2 A                                    | 2 A                                         | 0.5 A                                    | 0.5 A                                    |
| • for signal "0" residual current, max.     | 0.1 mA                                 | 0.1 mA                                 | 460 μA                                      | 0.1 mA                                   | 0.1 mA                                   |
| Output delay with resistive load            |                                        |                                        |                                             |                                          |                                          |
| • "0" to "1", max.                          | 50 μs                                  |                                        | 10 ms                                       | 50 μs                                    |                                          |
| • "1" to "0", max.                          | 100 μs                                 |                                        | 10 ms                                       | 100 μs                                   |                                          |
| • "0" to "1", typ.                          | 50 μs                                  | 50 μs                                  |                                             | 50 μs                                    | 50 μs                                    |
| • "1" to "0", typ.                          | 100 μs                                 | 100 μs                                 |                                             | 100 μs                                   | 100 μs                                   |
| Parallel switching of 2 outputs             |                                        |                                        |                                             |                                          |                                          |
| • for logic links                           | No                                     | No                                     | No                                          | No                                       | No                                       |
| • for increased power                       | No                                     | No                                     | No                                          | No                                       | No                                       |
| • for redundant control of a load           | Yes                                    |                                        | Yes                                         | Yes                                      | Yes                                      |
| Switching frequency                         |                                        |                                        |                                             |                                          |                                          |
| • with resistive load, max.                 | 100 Hz                                 | 100 Hz                                 | 10 Hz                                       | 100 Hz                                   | 100 Hz                                   |
| • with inductive load, max.                 | 2 Hz                                   | 2 Hz                                   | 0.5 Hz                                      | 2 Hz                                     | 2 Hz                                     |
| • on lamp load, max.                        | 10 Hz                                  | 10 Hz                                  | 1 Hz                                        | 10 Hz                                    | 10 Hz                                    |
| Aggregate current of the outputs            |                                        |                                        |                                             |                                          |                                          |
| • Max. current per channel                  |                                        |                                        | 2 A                                         |                                          |                                          |
| • Max. current per module                   | 8 A                                    | 8 A                                    | 8 A                                         | 4 A                                      | 4 A                                      |
| Total current of the outputs (per module)   |                                        |                                        |                                             |                                          |                                          |
| • horizontal installation                   |                                        |                                        |                                             |                                          |                                          |
| - up to 40 °C, max.                         | 8 A                                    |                                        | 8 A                                         |                                          |                                          |
| - up to 50 °C, max.                         | 6 A                                    |                                        | 6 A                                         |                                          |                                          |
| - up to 60 °C, max.                         | 4 A                                    |                                        | 4 A                                         |                                          |                                          |
| • vertical installation                     |                                        |                                        |                                             |                                          |                                          |
| - up to 30 °C, max.                         |                                        |                                        | 8 A                                         |                                          |                                          |
| - up to 40 °C, max.                         | 6 A                                    |                                        | 6 A                                         |                                          |                                          |
| - up to 50 °C, max.                         | 4 A                                    |                                        | 4 A                                         |                                          |                                          |
| - up to 60 °C, max.                         | 4 A                                    |                                        |                                             |                                          |                                          |

# SIMATIC ET 200 distributed I/O

## ET 200MP

### Interface modules IM 155-5 PN

#### Technical specifications (continued)

|                                                       | 6ES7155-5AA00-0AB0<br>IM 155-5 PN ST | 6ES7155-5AA00-0AC0<br>IM 155-5 PN HF |
|-------------------------------------------------------|--------------------------------------|--------------------------------------|
| shortest clock pulse                                  | 250 µs                               | 250 µs                               |
| max. cycle                                            | 4 ms                                 | 4 ms                                 |
| <b>Interrupts/diagnostics/<br/>status information</b> |                                      |                                      |
| Status indicator                                      | Yes                                  | Yes                                  |
| <b>Alarms</b>                                         |                                      |                                      |
| • Alarms                                              | Yes                                  | Yes                                  |
| <b>Diagnostic messages</b>                            |                                      |                                      |
| • Diagnostic functions                                | Yes                                  | Yes                                  |

|                                       | 6ES7155-5AA00-0AB0<br>IM 155-5 PN ST | 6ES7155-5AA00-0AC0<br>IM 155-5 PN HF |
|---------------------------------------|--------------------------------------|--------------------------------------|
| <b>Diagnostics indication<br/>LED</b> |                                      |                                      |
| • RUN LED                             | Yes; Green LED                       | Yes; Green LED                       |
| • ERROR LED                           | Yes; Red LED                         | Yes; Red LED                         |
| • MAINT LED                           | Yes; yellow LED                      | Yes; yellow LED                      |
| • Connection display<br>LINK TX/RX    | Yes; yellow LED                      | Yes; yellow LED                      |
| <b>Isolation</b>                      |                                      |                                      |
| Isolation checked with                | 707 V DC (type test)                 | 707 V DC (type test)                 |
| <b>Dimensions</b>                     |                                      |                                      |
| Width                                 | 35 mm                                | 35 mm                                |
| Height                                | 147 mm                               | 155 mm                               |
| Depth                                 | 129 mm                               | 120 mm                               |
| <b>Weights</b>                        |                                      |                                      |
| Weight, approx.                       | 310 g                                | 350 g                                |

#### Ordering data

#### Article No.

##### IM 155-5 PN interface module

IP 20 degree of protection,  
module width 35 mm, installation  
on S7-1500 mounting rail

IM 155-5 PN ST, standard version

6ES7155-5AA00-0AB0

IM 155-5 PN HF, High Feature  
version with additional functions

6ES7155-5AA00-0AC0

##### Accessories

##### Front flap for IM 155-5 PN (spare part), 5 units

6ES7528-0AA70-7AA0

##### SIMATIC S7-1500 mounting rail

Fixed lengths, with grounding  
elements

- 160 mm
- 482 mm
- 530 mm
- 830 mm

6ES7590-1AB60-0AA0  
6ES7590-1AE80-0AA0  
6ES7590-1AF30-0AA0  
6ES7590-1AJ30-0AA0

For cutting to length by customer,  
without drill holes; grounding  
elements must be ordered  
separately

- 2000 mm

6ES7590-1BC00-0AA0

##### PE connection element for mounting rail 2000 mm

6ES7590-5AA00-0AA0

20 units

##### Power supply

For supplying the backplane bus  
of the S7-1500

24 V DC input voltage, power 25 W

6ES7505-0KA00-0AB0

24/48/60 V DC input voltage,  
power 60 W

6ES7505-0RA00-0AB0

120/230 V AC input voltage,  
power 60 W

6ES7507-0RA00-0AB0

##### Power connector

6ES7590-8AA00-0AA0

With coding element for power  
supply module; spare part, 10 units

##### Load power supply

24 V DC/3 A

6EP1332-4BA00

24 V DC/8 A

6EP1333-4BA00

##### Power supply connector

Spare part; for connecting  
the 24 V DC supply voltage

- with push-in terminals

6ES7193-4JB00-0AA0

#### Article No.

##### IE FC RJ45 plugs

RJ45 plug connector for Industrial  
Ethernet with a rugged metal  
enclosure and integrated insulation  
displacement contacts for  
connecting Industrial Ethernet FC  
installation cables

##### IE FC RJ45 plug 180

180° cable outlet

1 unit

6GK1901-1BB10-2AA0

10 units

6GK1901-1BB10-2AB0

50 units

6GK1901-1BB10-2AE0

##### IE FC TP Standard Cable GP 2x2

6XV1840-2AH10

4-core, shielded TP installation  
cable for connection to IE  
FC Outlet RJ45/ IE FC RJ45 Plug;  
PROFINET-compatible;  
with UL approval;

Sold by the meter, max. length  
1000 m; minimum order 20 m

##### IE FC TP Trailing Cable 2 x 2 (Type C)

6XV1840-3AH10

4-core, shielded TP installation  
cable for connection to IE  
FC Outlet RJ45/ IE FC RJ45 Plug  
180/90 for trailing cable use;  
PROFINET-compatible;  
with UL approval;

Sold by the meter, max. length  
1000 m; minimum order 20 m

##### IE FC TP Marine Cable 2 x 2 (Type B)

6XV1840-4AH10

4-core, shielded TP installation  
cable for connection to IE FC Outlet  
RJ45/ IE FC RJ45 Plug 180/90  
marine certified,

Sold by the meter, max. length  
1000 m; minimum order 20 m

##### IE FC Stripping Tool

6GK1901-1GA00

Preadjusted stripping tool for fast  
stripping of Industrial Ethernet FC  
cables

## Overview



- Interface module for linking the ET 200MP to PROFIBUS
- Handles data exchange with the PROFIBUS master in the PLC
- Max. 12 I/O modules
- Automatic detection of baud rate 9.6 kBd ... 12 MBd
- PROFIBUS addresses 1 ... 125; adjustable using DIP switches
- Identification and maintenance data IM0 ... IM3

## Technical specifications

| 6ES7155-5BA00-0AB0                                             |                   |
|----------------------------------------------------------------|-------------------|
| <b>General information</b>                                     |                   |
| Product function                                               |                   |
| • I&M data                                                     | Yes; I&M0 to I&M3 |
| Engineering with                                               |                   |
| • STEP 7 TIA Portal can be configured/integrated as of version | V13 / V13         |
| • STEP 7 can be configured/integrated as of version            | V5.5 SP3 / -      |
| • PROFIBUS as of GSD version/GSD revision                      | V1.0 / V5.1       |
| <b>Supply voltage</b>                                          |                   |
| Type of supply voltage                                         | DC                |
| Rated value (DC)                                               | 24 V              |
| Reverse polarity protection                                    | Yes               |
| Mains buffering                                                |                   |
| • Mains/voltage failure stored energy time                     | 5 ms              |
| <b>Hardware configuration</b>                                  |                   |
| Rack                                                           |                   |
| • maximum                                                      | 12; I/O modules   |
| <b>Interfaces</b>                                              |                   |
| Number of PROFIBUS interfaces                                  | 1                 |
| 1st interface                                                  |                   |
| • Protocols                                                    |                   |
| - PROFIBUS DP slave                                            | Yes               |

| 6ES7155-5BA00-0AB0                               |                      |
|--------------------------------------------------|----------------------|
| <b>Interface types</b>                           |                      |
| RS 485                                           |                      |
| • Transmission rate, max.                        | 12 Mbit/s            |
| <b>Protocols</b>                                 |                      |
| PROFIBUS                                         |                      |
| • Services                                       |                      |
| - SYNC capability                                | Yes                  |
| - FREEZE capability                              | Yes                  |
| - DPV1                                           | Yes                  |
| <b>Interrupts/diagnostics/status information</b> |                      |
| Status indicator                                 | Yes                  |
| Alarms                                           |                      |
| • Alarms                                         | Yes                  |
| Diagnostic messages                              |                      |
| • Diagnostic functions                           | Yes                  |
| Diagnostics indication LED                       |                      |
| • RUN LED                                        | Yes; Green LED       |
| • ERROR LED                                      | Yes; Red LED         |
| • MAINT LED                                      | Yes; yellow LED      |
| <b>Isolation</b>                                 |                      |
| Isolation checked with                           | 707 V DC (type test) |
| <b>Dimensions</b>                                |                      |
| Width                                            | 35 mm                |
| Height                                           | 147 mm               |
| Depth                                            | 129 mm               |
| <b>Weights</b>                                   |                      |
| Weight, approx.                                  | 360 g                |

## Ordering data

## Article No.

|                                                                                                       |                           |
|-------------------------------------------------------------------------------------------------------|---------------------------|
| <b>IM 155-5 DP ST interface module</b>                                                                | <b>6ES7155-5BA00-0AB0</b> |
| IP 20 degree of protection, module width 35 mm, installation on S7-1500 mounting rail                 |                           |
| <b>Accessories</b>                                                                                    |                           |
| <b>Front flap for IM 155-5 PN (spare part), 5 units</b>                                               | <b>6ES7528-0AA70-7AA0</b> |
| <b>SIMATIC S7-1500 mounting rail</b>                                                                  |                           |
| Fixed lengths, with grounding elements                                                                |                           |
| • 160 mm                                                                                              | <b>6ES7590-1AB60-0AA0</b> |
| • 482 mm                                                                                              | <b>6ES7590-1AE80-0AA0</b> |
| • 530 mm                                                                                              | <b>6ES7590-1AF30-0AA0</b> |
| • 830 mm                                                                                              | <b>6ES7590-1AJ30-0AA0</b> |
| For cutting to length by customer, without drill holes; grounding elements must be ordered separately |                           |
| • 2000 mm                                                                                             | <b>6ES7590-1BC00-0AA0</b> |
| <b>PE connection element for mounting rail 2000 mm</b>                                                | <b>6ES7590-5AA00-0AA0</b> |
| 20 units                                                                                              |                           |
| <b>Load power supply</b>                                                                              |                           |
| 24 V DC/3 A                                                                                           | <b>6EP1332-4BA00</b>      |
| 24 V DC/8 A                                                                                           | <b>6EP1333-4BA00</b>      |