- A single or redundant power supply to the 9442 CPU is possible
- For up to 16 IS1+ I/O modules
- Integrated diagnostics in accordance with NE 107 (overload, excess temperature, maintenance requirements)
- Expanded ambient temperature range -40 °C to +75 °C

**WebCode  9445A**

The 9445/35 power module is used for intrinsically safe power supply to the 9442/35 CPU and up to 16 I/O modules. The auxiliary power connection is established using an extendable terminal with unconnected cable end (accessories). Up to two 9445/35 power modules can be connected to a 9496/35 base to provide a redundant power supply for the 9442/35 CPU and the I/O modules. The 9445/35 power module monitors itself and reports notifications to the control system and asset management systems when there is an overload, the ambient temperatures are too high or the end of the service life has been reached

| | ATEX / IECEx | | | | | |
|---|---|---|---|---|---|---|
| **Zone** | 0 | 1 | 2 | 20 | 21 | 22 |
| **Ex interface** | | | • | | | • |
| **Installation in** | | | • | | | • |

| **Selection Table** | | | |
|---|---|---|---|
| Installation | Zone 2 | | |
| Nominal voltage | Product Type | Art. No. | PS |
| 24 V DC | 9445/35-12 | 257290▲ | 22 |

| **Technical Data** | |
|---|---|
| **Explosion Protection** | |
| Gas explosion protection IECEx | Ex ec [ia Gb, ib Gb] IIC T4 Gc |
| Gas explosion protection ATEX | ⟨Ex⟩ II 3 (1, 2) G Ex ec [ia Gb, ib Gb] IIC T4 Gc |
| Gas explosion protection EAC | 2 Ex e [ia Ga] (ib Gb]IIC T4 Gc X 2 Ex nA ia [ia Ga] [ib Gb]IIC T4 Gc X |
| Certificates | ATEX (PTB), Canada (FM), EAC (Sertium), IECEx (PTB), USA (FM) |
| **Auxiliary Power** | |
| Current consumption (witho | 0.5 A (24 V DC) |
| Current consumption (16 I/O modules, <Discretion | 4.6 A (24 V DC) |
| Power dissipation (without I/O modules, <Discret | 12 W |
| Power dissipation (16 I/O modules, 1 CPU) | 15 W (24 V DC) |
| **Mechanical Data** | |
| Degree of protection IP (IEC 60529) | IP30 |
| Width | 31 mm |

1

**A4**

| Technical Data | |
|---|---|
| Mechanical Data | |
| Height | 126 mm |
| Length | 155 mm |

| Accessories and Spare Parts | | | |
|---|---|---|---|
| Figure | Description | Art. No. | Weight kg |
| Connection set | | | |
| | Power supply set 24 V (3 m) | 261232 ▲ | – |
| Socket for CPU & Power Module | | | |
| | Zone 2 simplex, 3 slots for mounting / installing 1 x CPU and 2 x power module or 2 x CPU und 1 x power module Dimensions: approx. L = 167 mm, W = 96 mm, H = 50.6 mm | 246871 ▲ | – |

▲ Preferred products – in stock or available at short notice
10. 03. 2019· PO·en