



- For mounting 9442 IS1+ CPU modules and 9445 power modules
- Selector switch for configuring the communication protocol and the station address
- Redundancy for CPU or power module
- Mounting on DIN rail or on mounting plate itself
- Special aluminium profile provides increased stability and heat dissipation
- Extended ambient temperature range from -40 to +75 °C when installed on mounting plate
- Compatible with 9494 IS1+ BusRail

## MY R. STAHL 9496A



The 9496 socket is connected to the 9494 IS1+ BusRail and has three slots for the 9442 CPU modules and 9445 power modules. Alternatively, the CPU or power modules can be designed to be redundant. The socket and the BusRail are used to connect the I/O modules to the high-speed data bus and the Ex i power supply. The bus protocol and RS485 address are defined using a rotary switch. The socket is mounted on a DIN rail and can be screwed onto a metal mounting plate for increased ambient loads (vibrations, temperatures up to +75 °C).

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

|                 | NEC® 500<br>CE Code Appendix J |   |          |   |           |   |
|-----------------|--------------------------------|---|----------|---|-----------|---|
|                 | Class I                        |   | Class II |   | Class III |   |
| Division        | 1                              | 2 | 1        | 2 | 1         | 2 |
| Ex interface    |                                | • |          | • |           | • |
| Installation in |                                | • |          |   |           |   |

|                 | CE Code Section 18<br>NEC® 505   NEC® 506 |   |   |    |    |    |
|-----------------|-------------------------------------------|---|---|----|----|----|
|                 | Class I                                   |   |   |    |    |    |
| Zone            | 0                                         | 1 | 2 | 20 | 21 | 22 |
| Ex interface    |                                           |   | • |    |    |    |
| Installation in |                                           |   | • |    |    |    |

## Selection Table

| Zone 2       |                 |               |          |        |
|--------------|-----------------|---------------|----------|--------|
| Installation | Number of slots | Product Type  | Art. No. | Weight |
|              | 3               | 9496/35-03-00 | 246871   | 400 g  |
|              | 4               | 9496/35-04-00 | 262392   | 600 g  |

## Technical Data

| Variant                                   | 9496/35-03-00                                                                                          | 9496/35-04-00                                                                                          |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Explosion Protection                      |                                                                                                        |                                                                                                        |
| IECEX gas explosion protection            | Ex ia IIC T4 Gc                                                                                        | Ex ia IIC T4 Gc                                                                                        |
| ATEX gas explosion protection             | Ex II 3 G Ex ia IIC T4 Gc                                                                              | Ex II 3 G Ex ia IIC T4 Gc                                                                              |
| Certificates                              | ATEX (PTB), Brazil (ULB), Canada (FM), China (NEPSI), IECEX (PTB), India (PESO), Korea (KTL), USA (FM) | ATEX (PTB), Brazil (ULB), Canada (FM), China (NEPSI), IECEX (PTB), India (PESO), Korea (KTL), USA (FM) |
| Ship approval                             | ABS, BVIS, EU RO MR (DNV), KR, LR                                                                      | ABS, BVIS, EU RO MR (DNV), KR, LR                                                                      |
| Electrical Data                           |                                                                                                        |                                                                                                        |
| Configuration for redundant supply        | 1x CPU 9442/35<br>2x PM 9445/35                                                                        | 1x CPU 9442/35<br>2x PM 9445/35                                                                        |
| Configuration for redundant communication | 2x CPU 9442/35<br>1x PM 9445/35                                                                        | 2x CPU 9442/35<br>1x PM 9445/35                                                                        |
| Assignment for redundant system           |                                                                                                        | 2x CPU 9442/35<br>2x PM 9445/35                                                                        |

## Technical Data

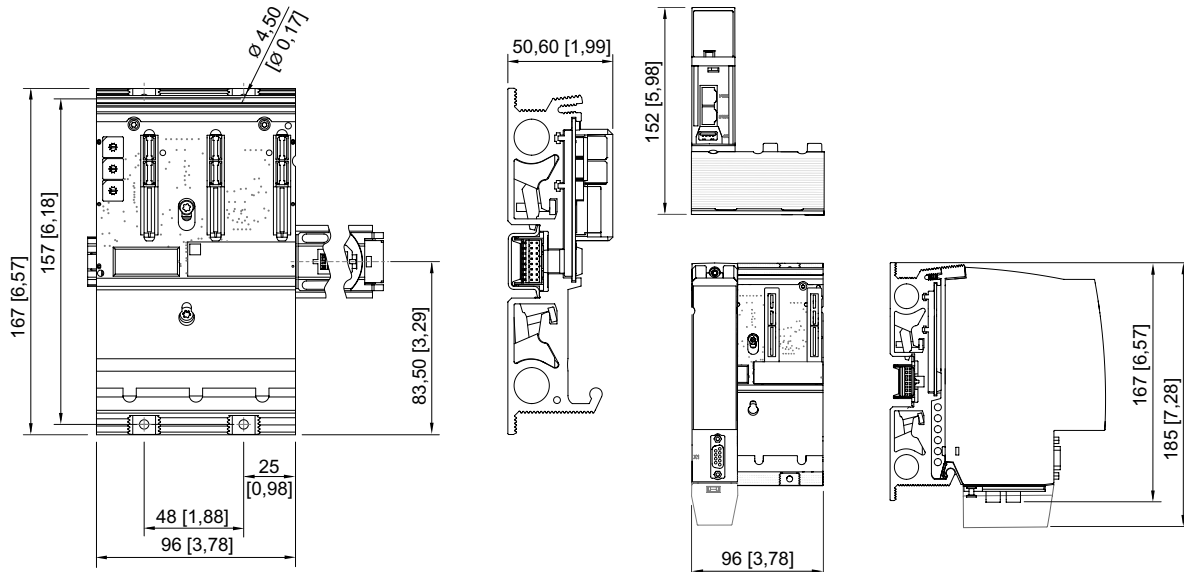
| Variant                               | 9496/35-03-00                                                                                                                                              | 9496/35-04-00                                                                                                                                              |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Data                       |                                                                                                                                                            |                                                                                                                                                            |
| Protocols                             | EtherNet/IP<br>Modbus TCP<br>PROFIBUS DP V1 PNO red. HART<br>PROFIBUS DP V1 STAHL red. HART<br>PROFINET                                                    | EtherNet/IP<br>Modbus TCP<br>PROFIBUS DP V1 PNO red. HART<br>PROFIBUS DP V1 STAHL red. HART<br>PROFINET                                                    |
| Protocol setting                      | Via rotary switch S1                                                                                                                                       | via S1 rotary switch                                                                                                                                       |
| Address setting RS485                 | Via rotary switches S2 and S3 (for Profibus DP and ServiceBus)                                                                                             | Via rotary switches S2 and S3 (for Profibus DP and ServiceBus)                                                                                             |
| ServiceBus address setting            | Identical to RS485 address                                                                                                                                 | Identical to RS485 address                                                                                                                                 |
| Communication with I/O modules        | Via BusRail 9494                                                                                                                                           | Via BusRail 9494                                                                                                                                           |
| Auxiliary Power                       |                                                                                                                                                            |                                                                                                                                                            |
| Nominal voltage                       | 24 V                                                                                                                                                       | 24 V                                                                                                                                                       |
| Power supply                          | Via 9445/35 power module                                                                                                                                   | Via 9445/35 power module                                                                                                                                   |
| Auxiliary power voltage range         | 19 ... 32 V DC                                                                                                                                             | 19 ... 32 V DC                                                                                                                                             |
| Max. power consumption                | 125 W                                                                                                                                                      | 125 W                                                                                                                                                      |
| Max. power dissipation                | 0.5 W                                                                                                                                                      | 0.5 W                                                                                                                                                      |
| Galvanic Isolation                    |                                                                                                                                                            |                                                                                                                                                            |
| Auxiliary power/system components     | 1500 V AC                                                                                                                                                  | 1500 V AC                                                                                                                                                  |
| Ambient Conditions                    |                                                                                                                                                            |                                                                                                                                                            |
| Ambient temperature                   | -40°C ... +65°C (without mounting plate)<br>-40°C ... +70°C (With 3 mm sheet steel mounting plate)<br>-40°C ... +75°C (With 6 mm aluminium mounting plate) | -40°C ... +65°C (without mounting plate)<br>-40°C ... +70°C (With 3 mm sheet steel mounting plate)<br>-40°C ... +75°C (With 6 mm aluminium mounting plate) |
| Storage temperature                   | -40°C ... +80°C                                                                                                                                            | -40°C ... +80°C                                                                                                                                            |
| Max. operating altitude               | < 2000 m                                                                                                                                                   | < 2000 m                                                                                                                                                   |
| Max. relative humidity                | 95% (without condensation)                                                                                                                                 | 95% (without condensation)                                                                                                                                 |
| Mechanical Data                       |                                                                                                                                                            |                                                                                                                                                            |
| Degree of protection (IP) (IEC 60529) | IP20                                                                                                                                                       | IP20                                                                                                                                                       |
| Module enclosure                      | Seawater-resistant aluminium                                                                                                                               | Seawater-resistant aluminium                                                                                                                               |
| Fire resistance (UL 94)               | V2                                                                                                                                                         | V2                                                                                                                                                         |
| Pollutant class                       | Corresponds to G3                                                                                                                                          | Corresponds to G3                                                                                                                                          |
| Mounting / Installation               |                                                                                                                                                            |                                                                                                                                                            |
| Mounting type                         | on NS 35/15 DIN rail (DIN EN 60715)<br>Mounting plate                                                                                                      | on NS 35/15 DIN rail (DIN EN 60715)<br>Mounting plate                                                                                                      |
| Mounting orientation                  | Horizontal<br>Vertical                                                                                                                                     | Horizontal<br>Vertical                                                                                                                                     |

## Spare Parts

| Figure | Description            | Art. No. | Weight |
|--------|------------------------|----------|--------|
|        | Socket Slot Plug Cover |          |        |
|        | -                      | 252731   | -      |

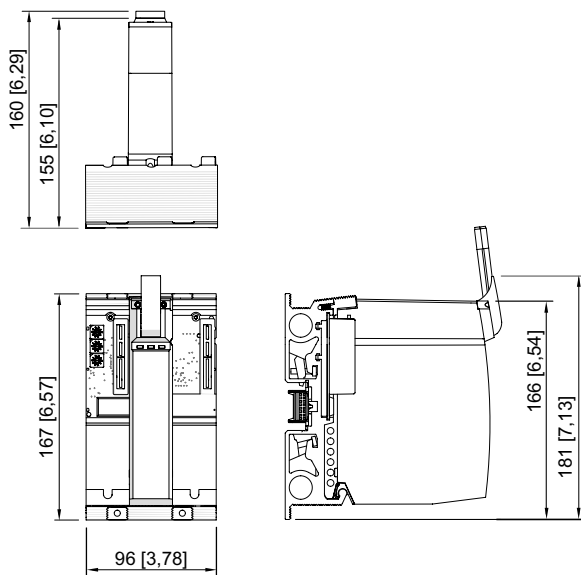
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

A4



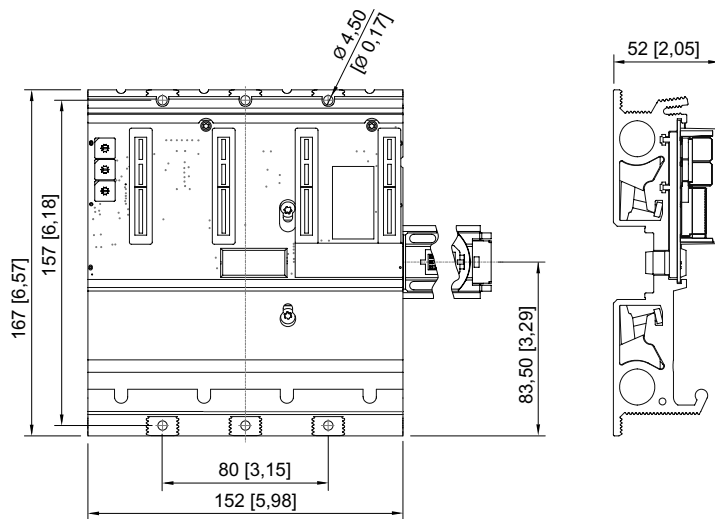
9496/3x-03

9442/35 CPU module and 9496/35-03-00 socket

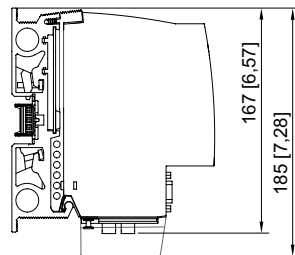
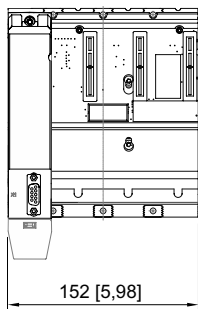
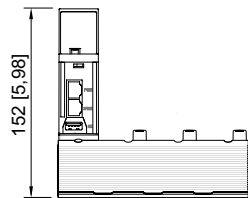


9445/32, 9445/35 power modules and 9496 socket (3 slots)

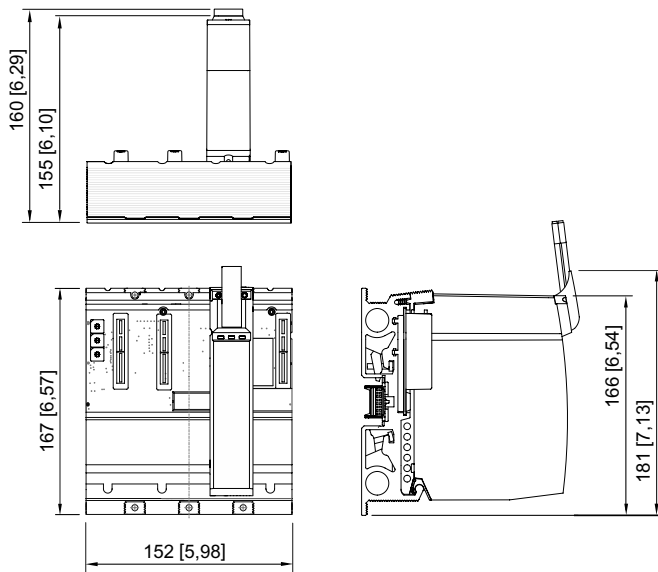
A4



9496/3x-04



9442/35 CPU modules + 9496/35-04-00 socket



9445/32, 9445/35 power modules and  
9496 socket (4 slots)