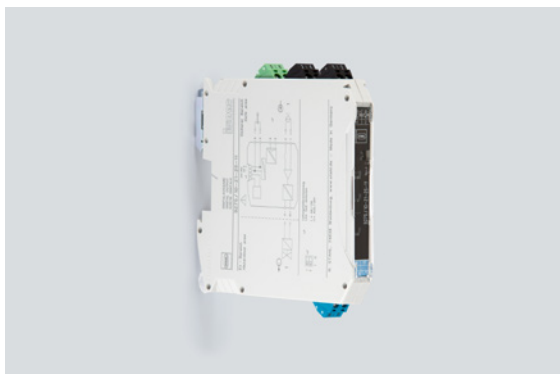




- Slim design saves space – just 12.5 mm wide
- For use up to SIL 3 (IEC/EN 61508)
- A wire breakage and short-circuit monitoring system, which can be disconnected and includes messages

A3

## MY R. STAHL 9275A



The Series 9275 digital outputs transmit signals for the intrinsically safe operation of Ex i solenoid valves, indicator lamps and horns. The devices feature three-way galvanic separation.

|                 | 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 |   |   |          |    |    |
|-----------------|--------------------------------|---|---|----------|----|----|
|                 | Class I                        |   |   | NEC® 506 |    |    |
| Zone            | 0                              | 1 | 2 | 20       | 21 | 22 |
| Ex interface    | •                              | • | • |          |    |    |
| Installation in |                                |   | • |          |    |    |

### Selection Table

| Number of channels                   |                                  | 1                                |                       |                   |          |        |
|--------------------------------------|----------------------------------|----------------------------------|-----------------------|-------------------|----------|--------|
| Output open-circuit voltage<br>$U_o$ | Max. output current $I_{o\ max}$ | Output internal resistance $R_i$ | Connection type       | Product Type      | Art. No. | Weight |
| 21.1 V                               | 25.1 mA                          | 641 $\Omega$                     | Screw terminal        | 9275/10-21-25-11s | 261434   | 160 g  |
|                                      |                                  | 641 $\Omega$                     | Spring clamp terminal | 9275/10-21-25-11k | 261436   | 160 g  |
| 24.3 V                               | 48 mA                            | 297 $\Omega$                     | Screw terminal        | 9275/10-24-48-11s | 261435   | 160 g  |
|                                      |                                  | 297 $\Omega$                     | Spring clamp terminal | 9275/10-24-48-11k | 261437   | 160 g  |

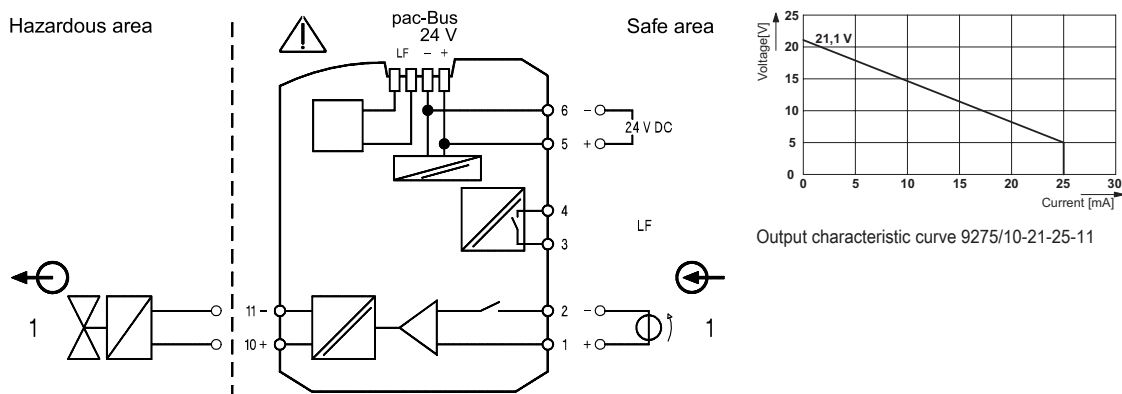
### Technical Data

| Variant                         | 9275/10-21-25-11.                                                                                 | 9275/10-24-48-11.                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Explosion Protection            |                                                                                                   |                                                                                                   |
| IECEx gas explosion protection  | Ex ec [ia Ga] IIC T4 Gc                                                                           | Ex ec [ia Ga] IIC T4 Gc                                                                           |
| IECEx dust explosion protection | [Ex ia Da] IIIC                                                                                   | [Ex ia Da] IIIC                                                                                   |
| ATEX gas explosion protection   | Ex II 3 (1) G Ex ec [ia Ga] IIC T4 Gc                                                             | Ex II 3 (1) G Ex ec [ia Ga] IIC T4 Gc                                                             |
| ATEX dust explosion protection  | Ex II (1) D [Ex ia Da] IIIC                                                                       | Ex II (1) D [Ex ia Da] IIIC                                                                       |
| Certificates                    | ATEX (IBE), Canada (UL), China (CQM), IECEx (IBE), India (PESO), Korea (KTL), SIL (BVS), USA (UL) | ATEX (IBE), Canada (UL), China (CQM), IECEx (IBE), India (PESO), Korea (KTL), SIL (BVS), USA (UL) |
| Ship approval                   | DNV                                                                                               | DNV                                                                                               |
| Declaration of Conformity       | ATEX (EUK), China (CCC)                                                                           | ATEX (EUK), China (CCC)                                                                           |
| Safety Data                     |                                                                                                   |                                                                                                   |
| Max. voltage $U_o$              | 23.98 V                                                                                           | 27.06 V                                                                                           |
| Max. current $I_o$ (Ex ia)      | 37.4 mA                                                                                           | 91.11 mA                                                                                          |
| Max. power $P_o$                | 224 mW                                                                                            | 616 mW                                                                                            |
| Safety-related max. voltage     | 253 V AC                                                                                          | 253 V AC                                                                                          |

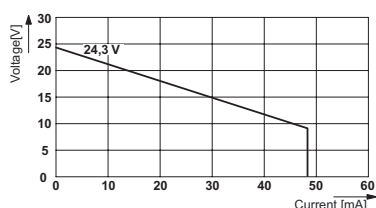
## Technical Data

| Variant                                  | 9275/10-21-25-11.                                                       | 9275/10-24-48-11.                                                       |
|------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Functional Safety                        |                                                                         |                                                                         |
| SIL                                      | 3                                                                       | 3                                                                       |
| Auxiliary Power                          |                                                                         |                                                                         |
| Auxiliary power                          | 24 V DC                                                                 | 24 V DC                                                                 |
| Nominal current                          | 50 mA                                                                   | 90 mA                                                                   |
| Power consumption                        | 1.2 W                                                                   | 2.16 W                                                                  |
| Polarity reversal protection             | Yes                                                                     | Yes                                                                     |
| Input                                    |                                                                         |                                                                         |
| Input voltage for ON                     | 15 – 30 V                                                               | 15 – 30 V                                                               |
| Input voltage for OFF                    | 0 – 5 V                                                                 | 0 – 5 V                                                                 |
| Output                                   |                                                                         |                                                                         |
| Fault message contact switching capacity | 30 V / 50 mA                                                            | 30 V / 50 mA                                                            |
| Ambient Conditions                       |                                                                         |                                                                         |
| Ambient temperature                      | -20 °C ... +70 °C (Single device)<br>-20 °C ... +60 °C (Group assembly) | -20 °C ... +70 °C (Single device)<br>-20 °C ... +60 °C (Group assembly) |
| Storage temperature                      | -40 °C ... +80 °C                                                       | -40 °C ... +80 °C                                                       |

## Technical Drawings – Subject to Alterations



Connection diagram 9275/10-21-25-11



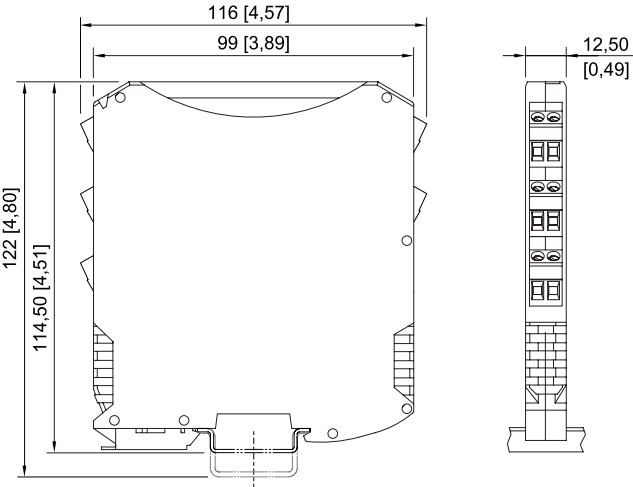
Output characteristic curve 9275/10-24-48-11

## Accessories

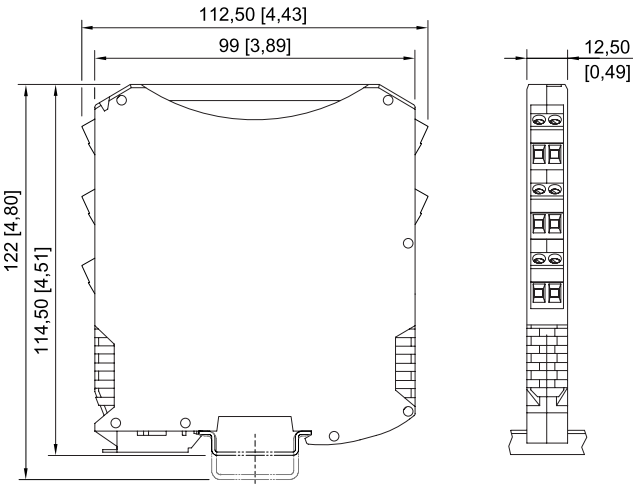
| Figure        | Description                                                                                                                                                                                          | Art. No. | Weight |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|
| Supply module |                                                                                                                                                                                                      |          |        |
|               | Redundant supply of 24 V DC auxiliary power (with fuse) and reading out the collective error message from Series 92xx ISpac modules which support this function.<br>Screw terminal connection        | 268183   | 135 g  |
|               | Redundant supply of 24 V DC auxiliary power (with fuse) and reading out the collective error message from Series 92xx ISpac modules which support this function.<br>Spring clamp terminal connection | 268184   | 135 g  |

| Accessories                                                                       |                                                     |          |        |
|-----------------------------------------------------------------------------------|-----------------------------------------------------|----------|--------|
| Figure                                                                            | Description                                         | Art. No. | Weight |
| pac-Bus                                                                           |                                                     |          |        |
|  | Wiring auxiliary power and collective error message | 262928   | 6 g    |

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



ISpac Series 9260, 9270, 9275, 9276, 9282 with spring clamp terminal



ISpac Series 9260, 9265, 9270, 9275, 9276, 9282 with screw terminal