

## WebCode 9472A

The 9472/35 24 V digital input/output module for Zone 2 has 16 channels which can be used in pairs for operation as inputs for contacts and PNP or NAMUR proximity switches (EN 60947-5-6) or as outputs for solenoid valves up to $24 \mathrm{~V} / 0.5 \mathrm{~A}$. Eight inputs can be used for frequencies of up to 20 kHz , and four can be used for detecting the direction of rotation.
All inputs/outputs are short-circuit proof and galvanically separated from the system. Additional control input for "Plant STOP" (IEC 61508/up to SIL2).



## 24 V digital input/output modules

Series 9472/35 for Zone 2/Div. 2 Ex n

| Notes | Max. supply voltage PNP: corresponds to the external supply voltage $U_{H}(X 0)$ <br> External supply voltage $\mathrm{U}_{\mathrm{H}}(\mathrm{XO})$ : $\quad 18$ to 32 V DC (nominal voltage 24 V ) <br> Max. current consumption (X0): $\quad 4 \times 0.5 \mathrm{~A}$ (depends on the total current of the binary outputs) <br> IEC 60947-5-6-1999 (NAMUR), 3-conductor PNP proximity switches and active 24 V signals with and without $47 \mathrm{k} \Omega$ resistor connected in parallel |
| :---: | :---: |
| Output |  |
| Supply voltage binary output | Corresponds to the ext. supply voltage $\mathrm{U}_{H}-0.7 \mathrm{~V}(\mathrm{XO})$ |
| Output current binary output | 30 mA to 0.5 A per channel (electronically limited) |
| Notes | If auxiliary power is not connected: $6 \mathrm{~V} / 2 \mathrm{~mA}$ |
| Ambient Conditions |  |
| Ambient temperature | $-40^{\circ} \mathrm{C} \ldots+75^{\circ} \mathrm{C}$ |
| Mechanical Data |  |
| Degree of protection (IP) (IEC 60529) | IP20 |
| Width | 96.5 mm |
| Height | 67 mm |
| Length | 128 mm |

Technical Drawings - Subject to Alterations


| Accessories |  |  |  |
| :---: | :---: | :---: | :---: |
| Figure | Description | Art. No. | Weight |
| Pluggable terminal |  |  |  |
|  | $1.5 \mathrm{~mm}^{2}$ with lock, 24 -pin, spring clamp connection, black, for connecting the field signals to I/O modules, for non-intrinsically safe field circuits Version: Only for 9469, 9471 and 9472 I/O modules Labelling: 1 to 24 | 245090 | 20 g |
| \% | $1.5 \mathrm{~mm}^{2}$ with lock, 24-pin, spring clamp connection, black, for connecting the field signals to I/O modules, for non-intrinsically safe field circuits Version: Only for 9469, 9471 and 9472 I/O modules Labelling: 25 to 48 | 245091 | 20 g |
| Resistor error message suppression |  |  |  |
|  | The resistors are used to suppress error messages for unused I/O channels Resistance value: $5 \mathrm{~K} 6 / 0.5 \mathrm{~W}$ <br> Suitable for: AIM 9468; UMH 9469; DIOM 9470; DIOM 9471; DIOM 9472; DOM 9475 <br> For intrinsically safe circuits (simple apparatus according to EN 60079-11) | 244911 | - |
| Partition |  |  |  |
|  | For mounting between intrinsically safe and non-intrinsically safe connections between I/O modules to maintain a tight string length of 50 mm | 220101 | 10 g |



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


