

## Pressure controls EDRA

**Pressure range up to 16 bar**  
**For panel board mounting**  
**Relay output**  
**Digital display**



Electronic pressure switch with integrated relative pressure sensor for panel board mounting, quick-connect for pneumatic tube, digital display for mains pressure indication and threshold programming (two switching points), relay output (isolated SPDT) and isolating transformer acc. to VDE 0550.

Function: The device evaluates the applied pressure to the sensor. On exceeding an upper threshold the relay is deactivated; when falling below a lower threshold the relay is activated again. Both thresholds also are adjustable without medium. The on/off thresholds can be programmed via the display during operation - the actual pressure status is shown on the display.

## Type overview EDRA

| Order reference | Measuring range (bar)* | Max. perm. pressure (bar) | Max. inaccuracy at 25° C | Operating voltage U <sub>B</sub> (V-AC) | Part No. |
|-----------------|------------------------|---------------------------|--------------------------|---|----------|
| EDRA 16         | 1 - 16                 | 25                        | 2,5 %                    | 230                                     | 260295   |

\*adjustable in 0.1 bar steps

## Technical Data EDRA

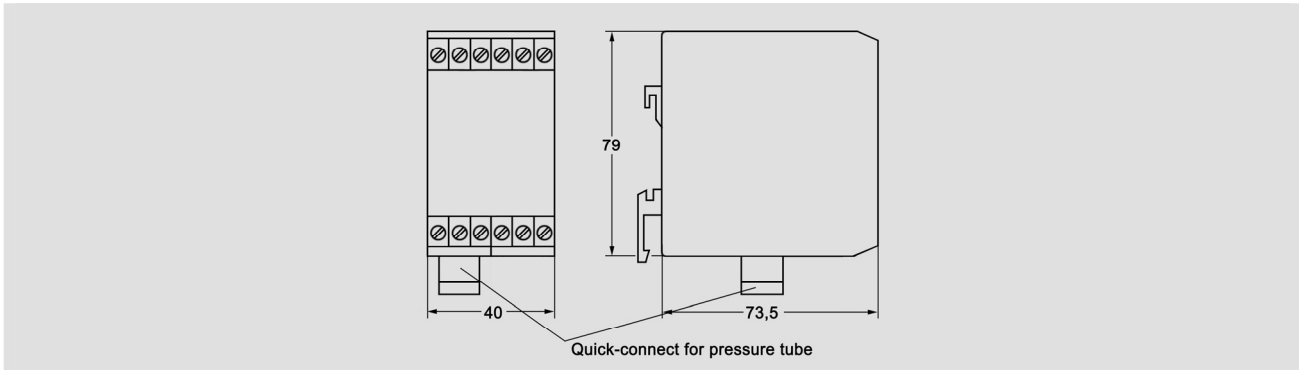
| Technical operating data   |                   |
|--|-------------------|
| Permissible operating voltage range                                | ±10 %             |
| Operating voltage influence at ± 10% operating voltage fluctuation | < 0.1 %           |
| Duty factor ED   | 100 %             |
| Permissible ambient and media temperature                          | -20°C up to +60°C |
| Permissible ambient humidity rel. humidity, non-condensing         | 10 % up to 90 %   |
| Permissible storage temperature                                    | -40°C up to 80°C  |
| Clearance and creepage distances                                   | VDE 0110          |
| Working position   | any position      |
| Power consumption  | max. 1 VA         |

| Pressure connection                        |                    |
|--|--------------------|
| Quick-connect suitable pneumatic tube e.g. | 6 x 1 mm Festo PAN |

| Enclosure                |  |
|--------------------------|--|
| Material                 | RABS flameproof, UL-approved                       |
| Mounting                 | snap on 35 mm DIN-rail connector acc. to EN 50 035 |
| Enclosure-protection     | IP 40  |
| Protection against shock | acc. VBG 4   |
| Terminals                | Cage clamps  |
| Cross section            | 2.5 mm <sup>2</sup>                                |
| Weight                   | 255 g  |

| Power section  |                             |
|--|-----------------------------|
| Series voltage acc. to VDE 0660 and VDE 0110 Group C | 250 V-AC                    |
| Maximum continuous current per contact               | 6 A-AC                      |
| Maximum switching capacity per contact               | 1.500 VA (AC)<br>50 W (DC)  |
| Mechanical life Cycles                               | approx. 1 x 10 <sup>7</sup> |
| Electrical life (max. load) Cycles                   | approx. 2 x 10 <sup>5</sup> |

## Dimensions EDRA



## Circuit Diagram EDRA

