

## Dust- Compact model • Zone 22

Series LN - Air flow controller

Dust  II 3D IP65 T90 °C X

AC 230 V • AC 115 V

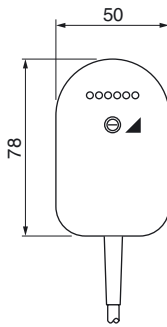
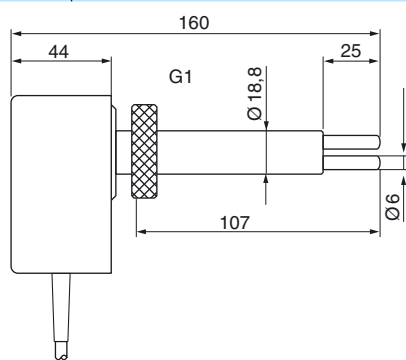

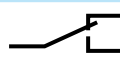


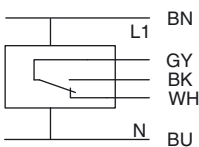
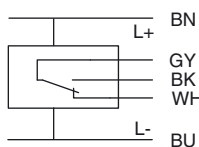
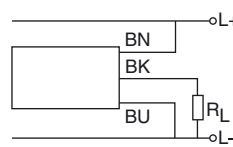
DC 24 V

Relay output

Analog output

Detection range 0.5...30 m/s



| Design  | G1  |                     | G1  |   |
|---|---|---------------------|---|---|
| Dimensions  |   |                     |    |   |
| Detection range [m/s]   | 0.5...30  |                     | 0.5...30  | 0.5...30  |
| Output  |  |                     |  |  |
| ID-No.  | P11307  | P11308              | P11309  | P11310 *  |
| Type  | LN 450 WR1-EX22   | LN 450 WR2-EX22     | LN 450 GR-EX22  | LN 450 GA-EX22  |
| Ex marking  | II 3D IP65 T90 °C X   | II 3D IP65 T90 °C X | II 3D IP65 T90 °C X   | II 3D IP65 T90 °C X   |
| Supply voltage [V]  | 115 AC ±15%   | 230 AC ±15%         | 24 DC ±20%  | 24 DC ±15%  |
| Current consumption [mA]  | 60  | 30                  | 80  | 80  |
| Current output [mA]   | -   | -                   | -   | 4...20  |
| Load R <sub>L</sub> [Ω]   | -   | -                   | -   | 200...500   |
| Switching voltage [V]   | 250 AC / 60 DC  |                     | 250 AC / 60 DC  |   |
| Switching current [A]   | 4 AC / 4 DC   |                     | 4 AC / 4 DC   |   |
| Switching power max.  | 1000 VA / 60 W  |                     | 1000 VA / 60 W  |   |
| Ambient temperature [°C]  | -20...+70   |                     | -20...+70   |   |
| Medium temperature [°C]   | -20...+80   |                     | -20...+80   |   |
| Temperature gradient [K/min]  | 20  |                     | 20  |   |
| Start-up time typ. [s]  | 10...90   |                     | 10...90   |   |
| Reaction time typ. [s]  | 2...30  |                     | 2...30  |   |
| Compressive strength [bar]  | 3   |                     | 3   |   |
| Material  | Housing: PBT Sensor 1.4305 / Delrin   |                     | Housing: PBT Sensor 1.4305 / Delrin   |   |
| Display flow  | LED-array   |                     | LED-array   |   |
| Protection [EN 60529]   | IP 67   |                     | IP 67   |   |
| Connection  | 2 m PVC-cable<br>5x0.5 mm <sup>2</sup>  |                     | 2 m PVC-cable<br>5x0.5 mm <sup>2</sup>  | 2 m PVC-cable<br>3x0.5 mm <sup>2</sup>  |
| *  US LISTED |  |                     |  |  |