

## flare 24DC-1W-250V6A



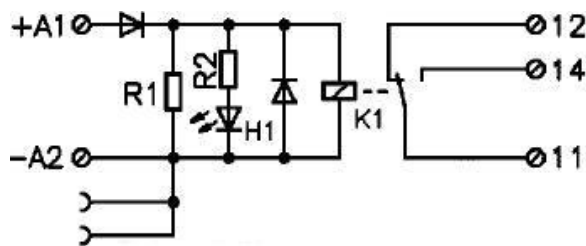
### flare 24DC-1W-250V6A

Compact coupling relay

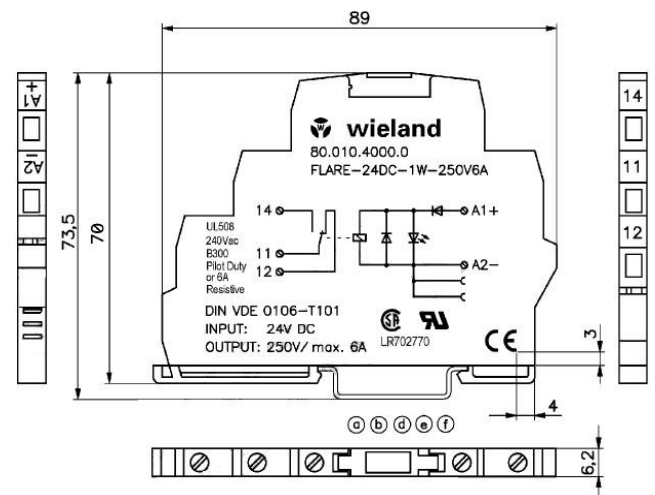
24 V DC

80.010.4000.0

- Compact coupling relay
- Input voltage range 19,2 ... 30 V DC
- 1 changeover contact
- Mounting width 6,2 mm



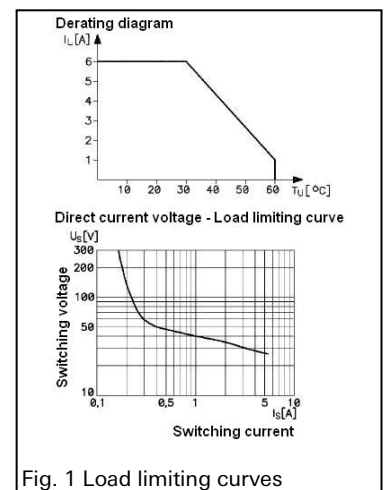
Wiring diagram



Dimensional diagram

## Technical Data

| flare 24DC-1W-250V6A             | Order no. 80.010.4000.0                                  |
|----------------------------------|----------------------------------------------------------|
| <b>Coil circuit</b>              |                                                          |
| Operating voltage                | 24 V DC                                                  |
| Minimum input voltage            | 19,2 V DC                                                |
| Maximum input voltage            | 30 V DC                                                  |
| Nominal input current            | 14 mA                                                    |
| Nominal input capacity           | 0,35 W                                                   |
| Status display                   | LED green                                                |
| <b>Switching characteristics</b> |                                                          |
| Contacts                         | 1 changeover contact                                     |
| Contact material                 | AgSnO <sub>2</sub>                                       |
| Maximum switching voltage        | 250 V AC / 300 V DC<br>(see Fig. 1 Load limiting curves) |
| Maximum continuous current       | 6 A (see Fig. 1 Load limiting curves)                    |
| Maximum starting current         | 10 A                                                     |
| Maximum switching current        | (see Fig. 1 Load limiting curves)                        |
| DC1 30 / 110 / 220 V DC          | 6 A AC / 2 A DC                                          |
| Maximum switching capacity AC 15 | 1500 V A / 120 W                                         |
| Minimum selectable voltage       | 24 V                                                     |
| Minimum selectable current       | 8 mA DC                                                  |
| Mechanical life                  | 2 x 10 <sup>7</sup>                                      |



**flare 24DC-1W-250V6A****Technical Data**

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| <b>flare 24DC-1W-250V6A</b>       | <b>Order no. 80.010.4000.0</b>                                    |
| Electrical life                   | 80 x 10 <sup>3</sup> (230 V AC)<br>60 x 10 <sup>4</sup> (24 V DC) |
| Maximum switching frequency       | 0,1 Hz                                                            |
| Pick-up delay                     | 8 ms                                                              |
| Release delay                     | 10 ms                                                             |
| <b>General Data</b>               |                                                                   |
| Width                             | 6,2 mm                                                            |
| Height                            | 89 mm                                                             |
| Depth                             | 70 mm                                                             |
| Isolation voltage of input/output | 4 kV eff.                                                         |
| Ambient temperature               | 0 ... +60° C (see Fig. 1 Load limiting curves)                    |
| Storage temperature               | -40 ... +55° C                                                    |
| Degree of protection (IP)         | IP20                                                              |
| Mounting rail                     | TS35 acc. EN 60715                                                |
| <b>Connection Data</b>            |                                                                   |
| Connection type                   | Screw terminals                                                   |
| Wire range fine-stranded min      | 0,5 mm <sup>2</sup>                                               |
| Wire range fine-stranded max      | 2,5 mm <sup>2</sup>                                               |
| Wire range solid min              | 0,25 mm <sup>2</sup>                                              |
| Wire range solid max              | 4 mm <sup>2</sup>                                                 |
| Connectable via pluggable jumper  | 50                                                                |
| <b>Approvals</b>                  |                                                                   |
| Conformity                        | CE-conformity                                                     |
| Approvals and Standards           | UR, CSA                                                           |