

Vane switch 147

Vane switches are actuated by ferromagnetic metal plates at the gap of the U shaped housing, so no additional actuating magnet is required. Can also be mounted directly onto metal.

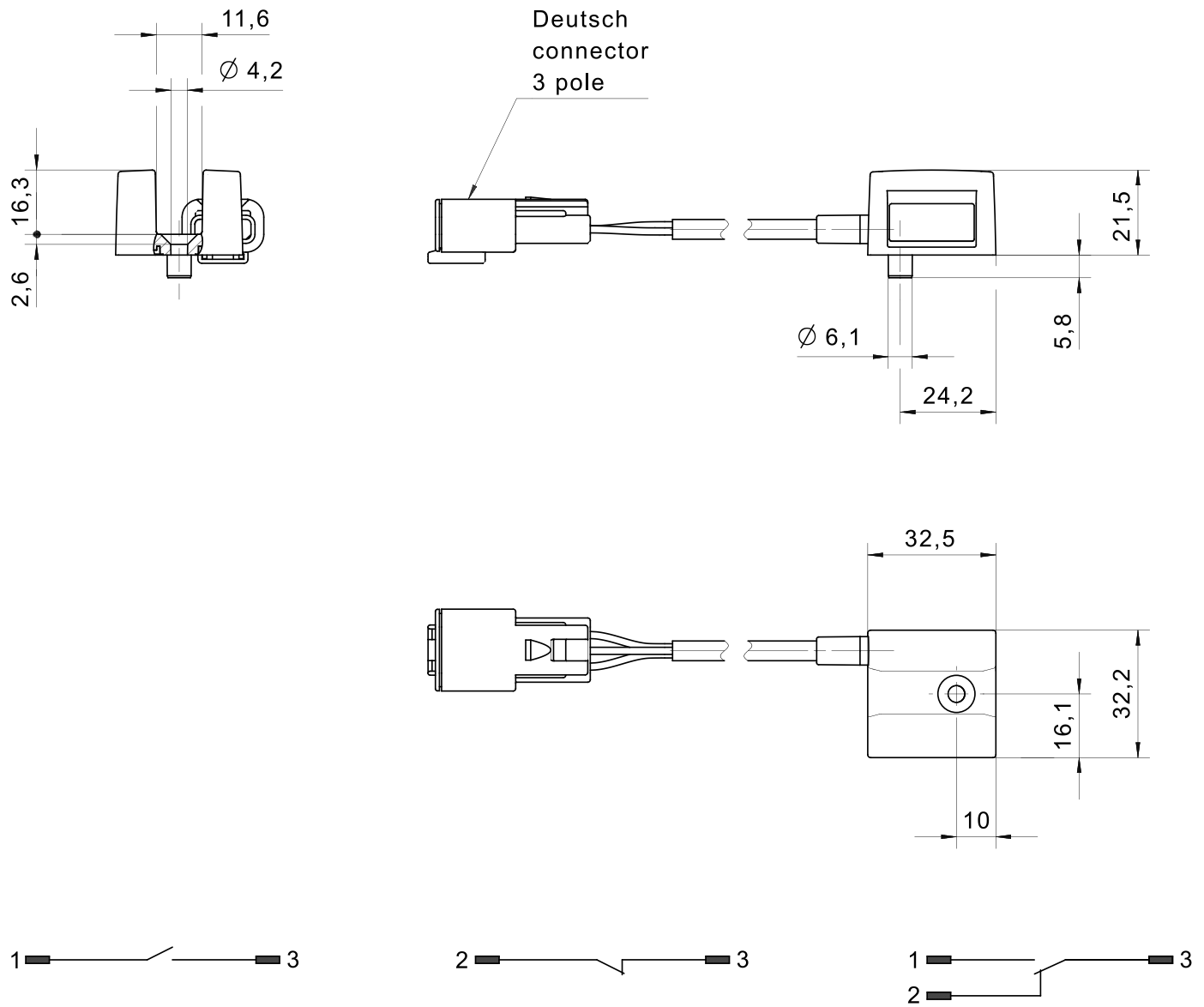
Different variants are available, allowing the switch to be used in a variety of applications, e.g. challenging off-highway tasks or position sensing in plant and mechanical engineering.

Product characteristics

- No additional actuating magnet necessary
- Compact housing for space-saving installation
- Temperature stability and vibration resistance specially configured for the requirements of automotive applications
- IP6K7 protection class
- PBT housing
- 32.5 x 32.25 x 21.51 mm
- PUR cable with Deutsch connector

Technical drawing

IMAGE 1/1



Product options

IMAGE 1/1

ORDERING KEY

| 1471 | | | Vane switch, reed contact |
|------|-----|-----|---|
| | 02B | | N.O. - cable connection 0.3m with Deutsch connector DTM04-3P |
| | 12B | | N.C. - cable connection 0.3m with Deutsch connector DTM04-3P |
| | 22B | | C.O. - cable connection 0.3m with Deutsch connector DTM04-3P |
| | | | More connectors and slot switches without connectors on request |
| | | | |
| | | | Other available cable lengths |
| | | -3 | 3 m |
| | | -5 | 5 m |
| | | -10 | 10 m |
| | | | Other cable materials and cable lengths on request |

Article characteristics

| Attribute | 147102B | 147112B | 147122B |
|--|------------------------|---------|---------|
| Max. switching voltage | 48 V DC | | |
| Max. switching voltage | 48 V AC | | |
| Max. switching current | 0.5 A | | |
| Max. switching power | 10 W | | |
| Contact form | NO | NC | CO |
| Technology | Reed | | |
| Switching principle | magnetic | | |
| Housing colour | Grey | | |
| Dimensions | 32,5x32,25x21,51 | | |
| Housing material | PBT | | |
| Cable material | PUR | | |
| Protection class | IP6K5 / IP6K7 ISO20653 | | |
| Operating temperature min. | -40 °C | | |
| Max. operating temperature | 85 °C | | |
| Min. storage temperature | -40 °C | | |
| Max. storage temperature | 85 °C | | |
| Min. cable temperature range, moving | -30 °C | | |
| Max. cable temperature range, moving | 90 °C | | |
| Min. cable temperature range, fixed installation | -40 °C | | |
| Max. cable temperature range, fixed installation | 90 °C | | |
| Shock resistance (Norm) | EN 60068-2-27 | | |
| Vibration resistance (Norm) | EN 60068-2-64 | | |
| Mounting type | screwed | | |
| Connector type | Deutsch DTM 3pol. | | |
| Cable length | 0.3 m | | |