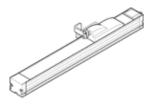
## displacement encoder MLO-POT-225-TLF Part number: 152625





## **Data sheet**

| Feature  | Value                                      |
|--|--|
| CE mark (see declaration of conformity)                  | to EU directive for EMC                    |
| Measuring method: displacement encoder                   | Analogue                                   |
| Ambient temperature                                      | -30 100 °C                                 |
| Recommended wiper current                                | (1 μA                                      |
| Max. intermittent wiper current                          | 10 mA                                      |
| Max. travel speed  | 10 m/s                                     |
| Max. travel acceleration                                 | 200 m/s2                                   |
| Travel resolution  | 0.01 mm                                    |
| Independent linearity                                    | 0,07 %                                     |
| Temperature coefficient                                  | 5 ppm/K                                    |
| Stroke   | 225 mm                                     |
| Output signal  | Analogue                                   |
| Connection resistance                                    | 5 kOhm                                     |
| Connection resistance tolerance                          | 20 %                                       |
| Nominal operating voltage DC                             | 10 V                                       |
| Max. operating voltage, DC                               | 42 V                                       |
| Permissible voltage fluctuation                          | <1%  |
| Max. current consumption                                 | 4 mA                                       |
| Electrical connection                                    | 4-pin                                      |
|  | Plug pattern type A to EN 175301-803       |
|  | Plug                                       |
|  | to DIN 43650                               |
|  | Cubic design                               |
| Design structure   | With cover strip                           |
|  | With slide                                 |
|  | Open profile                               |
| Parallel offset, coupling                                | ± 1,5 mm                                   |
| Angle offset, driver                                     | ±1°  |
| Assembly position  | Any  |
| Product weight   | 900 g                                      |
| Material housing   | Wrought Aluminium alloy                    |
|  | Anodised                                   |
| Material of cover  | Steel                                      |
| Material of sliding carriage housing                     | Aluminium die cast                         |
|  | Plastic                                    |
| Material of sliding carriage coupling                    | Steel                                      |
| Material cover   | Plastic                                    |
| Material of assembly brackets                            | PEI  |
| Protection from above                                    | to IEC 60529                               |
| Protection from underneath                               | to IEC 60529                               |
| Vibration resistance per DIN/IEC 68, parts 2 - 6         | Tested in accordance with severity level 2 |
| Continuous shock resistance per DIN/IEC 68, parts 2 - 82 | Tested in accordance with severity level 2 |
| PWIS conformity  | VDMA24364-B2-L                             |