

# mm FDMK77 digital

### Description

- Robust plastic housing
- Customized versions for OEM
- Incremental/absolute encoder

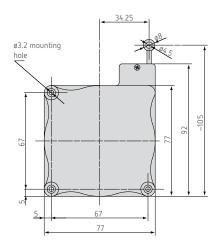


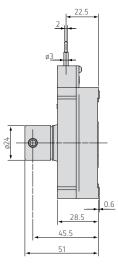
**SENSORS & CONTROLS** 

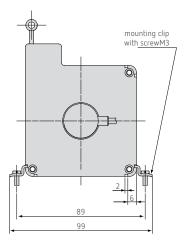
The miniature draw-wire sensors of the FDMK series are specially designed for use in high-volume production. Due to the favorable price and the compact size of the sensor, new potential designs and cost optimization are the benefits to the user.

#### Outline drawing

FDMK77









#### Technical data

| Model                       |           | FDMK77-2100                                |
|-----------------------------|-----------|--|
| Output                      |           | E/E830                                     |
| Measuring range             |           | 2100mm                                     |
| Linearity                   |           | 1.05mm                                     |
|                             |           | ±0.05% FS0                                 |
| Resolution                  |           | 0.43mm                                     |
| Sensor element              |           | incremental encoder                        |
| Temperature range           |           | -20 to 80°C                                |
| Maharial                    | housing   | Plastic                                    |
| Material                    | draw wire | coated polyamid stainless steel (ø 0.45mm) |
| Wire mounting               |           | Eyelet                                     |
| Cable diameter              |           | 0.45mm                                     |
| Sensor mounting             |           | mounting holes / mounting grooves          |
| Wire retraction force (min) |           | 3.5N                                       |
| Wire extension force (max)  |           | 5N   |
| Wire acceleration           |           | 5g   |
| Protection class            |           | IP 54                                      |
| Electrical connection       |           | cable radial, 2m                           |
| Weight                      |           | appr. 0.27kg                               |
| FSO = Full Scale Output     |           |  |

## Ordering code

| FDMK77 - | 2100 -                | E   |  |
|----------|-----------------------|---|--|
|          |                       | Output option:<br>encoder E (5 24VDC)<br>encoder E830 (8 30VDC) |  |
|          | Measuring range in mm |   |  |
| FDMK77   |                       |   |  |

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