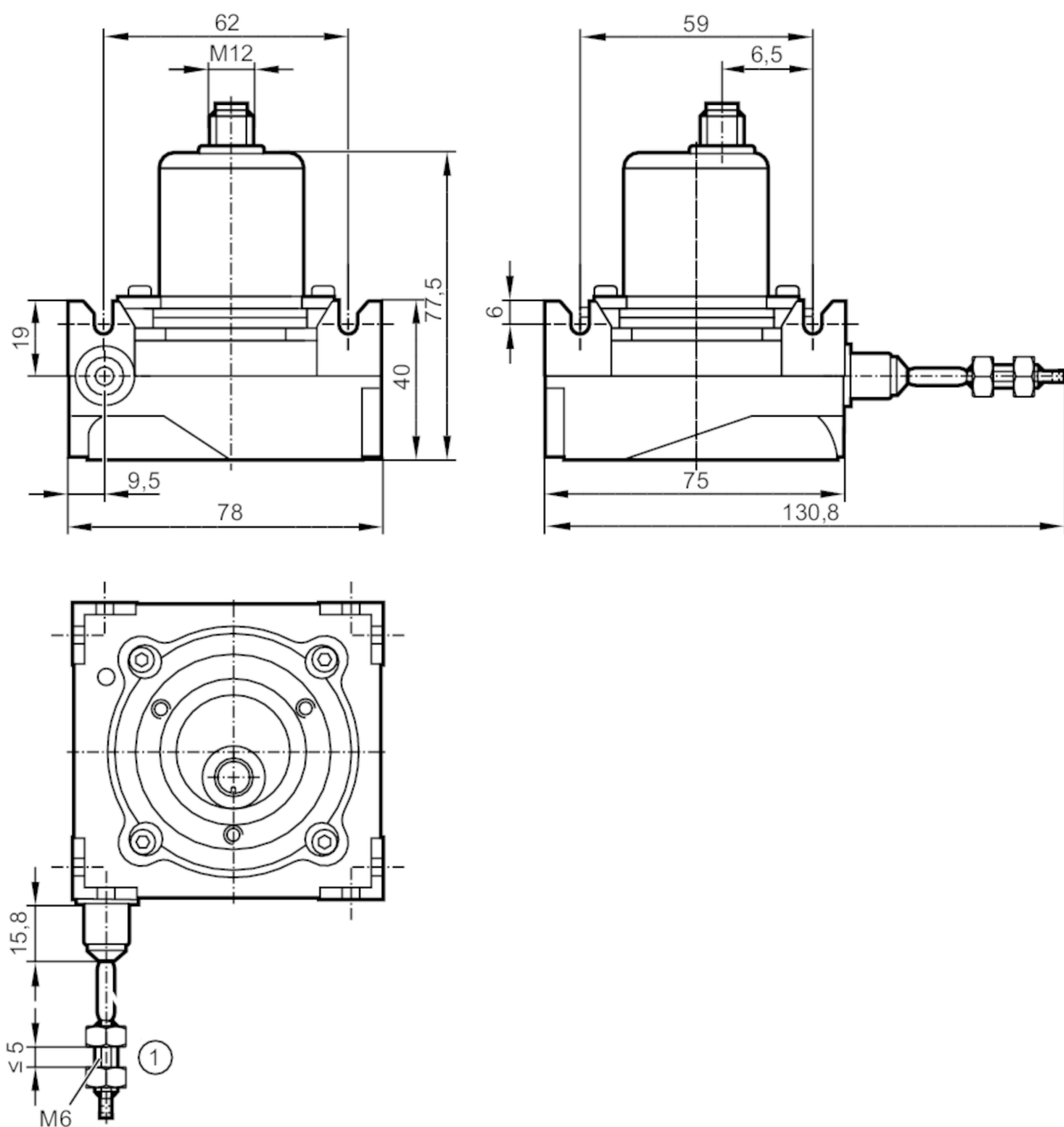


## DRAW WIRE ENCODER



CE UK  
CA



## Draw wire encoder

### DRAW WIRE ENCODER

|                              |                                                                                           |                                    |     |
|------------------------------|-------------------------------------------------------------------------------------------|------------------------------------|-----|
| Protection class             | III                                                                                       |                                    |     |
| Reverse polarity protection  | yes                                                                                       |                                    |     |
| Max. power-on delay time     | [ms]                                                                                      | 500                                |     |
| Settling time                | [ms]                                                                                      | 32                                 |     |
| Inputs / outputs             |                                                                                           |                                    |     |
| Number of inputs and outputs | Number of analogue outputs: 1                                                             |                                    |     |
| Outputs                      |                                                                                           |                                    |     |
| Number of analogue outputs   | 1                                                                                         |                                    |     |
| Analogue current output      | [mA]                                                                                      | 4...20                             |     |
| Max. load                    | [Ω]                                                                                       | 500                                |     |
| Precision analogue output    | [%]                                                                                       | 0,1                                |     |
| Measuring/setting range      |                                                                                           |                                    |     |
| Resolution                   | 8192 steps; 16 revolutions; 17 bit                                                        |                                    |     |
| Accuracy / deviations        |                                                                                           |                                    |     |
| Accuracy                     | ± 0.012 % FSO                                                                             |                                    |     |
| Repeatability                | ± 0,005 % FSO                                                                             |                                    |     |
| Software / programming       |                                                                                           |                                    |     |
| Parameter setting options    | start position; end position; central position                                            |                                    |     |
| Operating conditions         |                                                                                           |                                    |     |
| Ambient temperature          | [°C]                                                                                      | -40...80                           |     |
| Storage temperature          | [°C]                                                                                      | -40...80                           |     |
| Max. relative air humidity   | [%]                                                                                       | 95; (condensation not permissible) |     |
| Protection                   | IP 64; (on the housing: IP 65)                                                            |                                    |     |
| Tests / approvals            |                                                                                           |                                    |     |
| MTTF                         | [ANN]                                                                                     | 241                                |     |
| Mechanical data              |                                                                                           |                                    |     |
| Weight                       | [g]                                                                                       | 696                                |     |
| Materials                    | housing: steel; wire drum: diecast zinc / plastic; wire: stainless steel polyamide coated |                                    |     |
| Max. measuring length        | [mm]                                                                                      | 3000                               |     |
| Wire drum circumference      | [mm]                                                                                      | 200                                |     |
| Wire diameter                | [mm]                                                                                      | 0.87                               |     |
| Wire connection              | threaded bolt M6x20; eyelet Ø 2 mm                                                        |                                    |     |
| Wire properties              | max. speed of wire displacement                                                           | [m /s]                             | 0,8 |
|                              | max. wire acceleration                                                                    | [g]                                | 1   |
|                              | max. extension force                                                                      | [N]                                | 3   |
|                              | max. retraction force                                                                     | [N]                                | 2,5 |



## Draw wire encoder

DRAW WIRE ENCODER

### Electrical connection

Connector: 1 x M12, for axial use; coding: A



- 1 L+
- 2 analogue output
- 3 L-
- 4 Set2
- 5 Set1