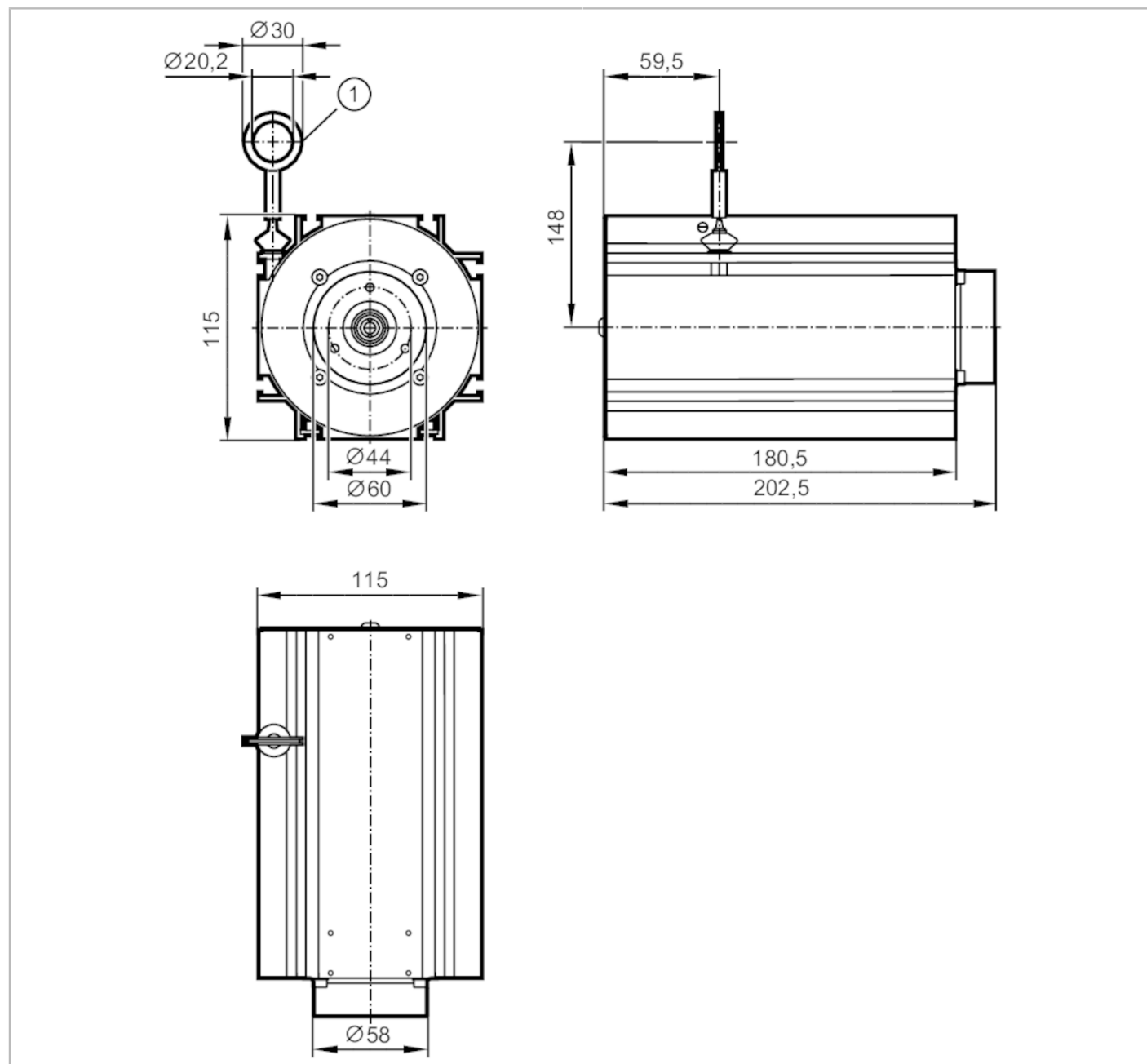


## Draw-wire mechanism for encoders

DRAW WIRE 15000



### Product characteristics

|                     |             |
|---------------------|-------------|
| Shaft design        | solid shaft |
| Shaft diameter [mm] | 6           |

### Application

|        |                                                             |
|--------|-------------------------------------------------------------|
| Design | for encoders with 58 mm synchro flange and 6 mm solid shaft |
|--------|-------------------------------------------------------------|

### Accuracy / deviations

|               |               |
|---------------|---------------|
| Accuracy      | ± 0.01 % FSO  |
| Repeatability | ± 0,001 % FSO |

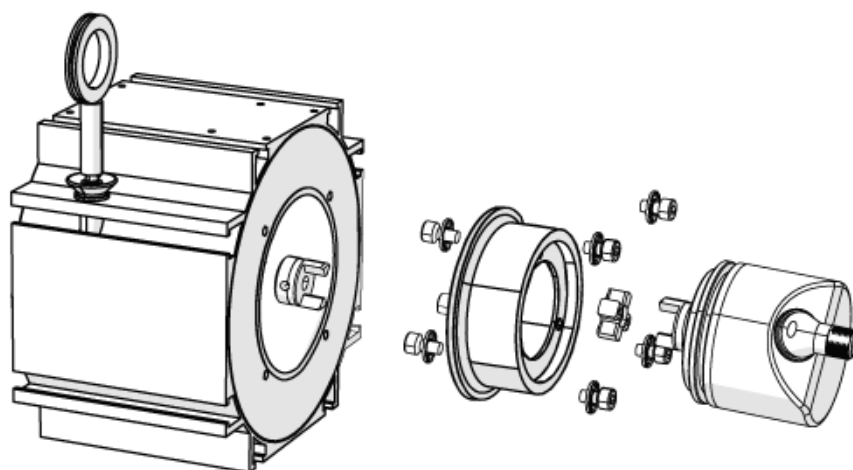
### Operating conditions

|                          |                          |
|--------------------------|--------------------------|
| Ambient temperature [°C] | -20...80                 |
| Storage temperature [°C] | -40...80                 |
| Storage humidity [%]     | 5...95; (non condensing) |

## Draw-wire mechanism for encoders

DRAW WIRE 15000

| Tests / approvals       |  |                                                                     |                   |                   |    |
|-------------------------|--|---------------------------------------------------------------------|-------------------|-------------------|----|
| Shock resistance        |  | IEC628-2-27                                                         |                   | 50 g / 20 ms      |    |
| Vibration resistance    |  | IEC68-2-6                                                           |                   | 20 g / 20..200 Hz |    |
| Mechanical data         |  |                                                                     |                   |                   |    |
| Weight                  |  | [g]                                                                 | 3824.8            |                   |    |
| Dimensions              |  | [mm]                                                                | 115 x 180.7 x 115 |                   |    |
| Top flange diameter     |  | [mm]                                                                | 58                |                   |    |
| Materials               |  | housing: aluminium anodised; wire: stainless steel polyamide coated |                   |                   |    |
| Shaft design            |  | solid shaft                                                         |                   |                   |    |
| Shaft diameter          |  | [mm]                                                                | 6                 |                   |    |
| Max. measuring length   |  | [mm]                                                                | 15000             |                   |    |
| Wire drum circumference |  | [mm]                                                                | 315               |                   |    |
| Wire diameter           |  | [mm]                                                                | 1                 |                   |    |
| Wire connection         |  | 20,2; (eyelet)                                                      |                   |                   |    |
| Wire properties         |  | max. speed of wire displacement                                     |                   | [m /s]            | 2  |
|                         |  | max. wire acceleration                                              |                   | [g]               | 3  |
|                         |  | max. extension force                                                |                   | [N]               | 25 |
|                         |  | min. retraction force                                               |                   | [N]               | 8  |
| Fixing flange           |  | synchro-flange                                                      |                   |                   |    |
| Accessories             |  |                                                                     |                   |                   |    |
| Items supplied          |  | screws: 2 x M4                                                      |                   |                   |    |
|                         |  | cylinder screws: 4 x M4                                             |                   |                   |    |
|                         |  | washers                                                             |                   |                   |    |
|                         |  | synchro-flange                                                      |                   |                   |    |
|                         |  | Coupling for encoders                                               |                   |                   |    |
| Remarks                 |  |                                                                     |                   |                   |    |
| Pack quantity           |  | 1 pcs.                                                              |                   |                   |    |
| Diagrams and graphs     |  |                                                                     |                   |                   |    |



Installation instruction