

# KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX F3658 / F3678, OPTICAL, CANOPEN, Ø36 MM SERIE F3658



- Housing diameter Ø36 mm
- CANopen - Interface
- 16 bit resolution
- -40 to +85 ° C working temperature

## Product description

Sendix F3658 / F3678 is a series of single-angle optical axes and hole axes with CANopen interface and a resolution of up to 16 bits despite its compact size of 36x42 mm. The sensor also has high enclosure class, shock resistance and a wide temperature range. The sensor is therefore very suitable for applications where extreme environments or temperatures can occur, such as mobile applications. The sensor is supplied with a tangential cable, which means that there is no exposed cable input on the sensor, but it is embedded in the housing itself to increase impact on impact and impact. The Sendix F3678 / F3678 is also available in a salt water resistant version.

Please refer to the images below for ordering information.

|                                   |   |  |   |           |   |                     |          |          |
|-----------------------------------|---|--|---|-----------|---|---------------------|----------|----------|
| <b>Order code</b>                 | <b>8.F3658</b>  | .  | <b>XX</b>   | <b>2X</b> | .   | <b>21</b>           | <b>1</b> | <b>2</b> |
| <b>Shaft version</b>              | Type  |  | a   | b         | c   | d                   | e        |          |
| <b>a Flange</b>                   | 1 = clamping flange, IP67, ø 36 mm [1.42"]<br>3 = clamping flange, IP65, ø 36 mm [1.42"]<br>2 = synchro flange, IP67, ø 36 mm [1.42"]<br><b>4 = synchro flange, IP65, ø 36 mm [1.42"]</b> | <b>c Interface / power supply</b>  | <b>2 = CANopen DS301 V4.02 / 10 ... 30 V DC</b>   |           | <b>e Fieldbus profile</b>   | <b>21 = CANopen</b> |          |          |
| <b>b Shaft (ø x L), with flat</b> | 1 = ø 6 x 12.5 mm [0.24 x 0.49"]<br><b>3 = ø 8 x 15 mm [0.32 x 0.49"]</b><br>5 = ø 10 x 20 mm [0.39 x 0.79"]<br>2 = ø 1/4" x 12.5 mm [0.49"]<br>4 = ø 3/8" x 5/8"                         | <b>d Type of connection</b>  | <b>1 = tangential cable, 1 m [3.28'] PUR</b><br>3 = tangential cable, 5 m [16.40'] PUR<br>F = tangential cable, special length PUR *) |           | <i>Optional on request</i><br>- surface protection<br>salt spray tested |                     |          |          |
|                                   |   | *) Available special lengths (connection type F):<br>2, 3, 8, 10, 15 m [6.56, 9.84, 26.25, 32.80, 49.21']<br>order code expansion .XXXX = length in dm<br>ex.: 8.F3658.432F:2112.0030 (for cable length 3 m) |   |           |   |                     |          |          |

|  |   |  |   |           |   |                     |          |          |
|--|---|--|---|-----------|---|---------------------|----------|----------|
| <b>Order code</b>  | <b>8.F3678</b>  | .  | <b>XX</b>   | <b>2X</b> | .   | <b>21</b>           | <b>1</b> | <b>2</b> |
| <b>Hollow shaft</b>  | Type  |  | a   | b         | c   | d                   | e        |          |
| <b>a Flange</b>  | 1 = with spring element, short, IP65<br>3 = with spring element, long, IP65<br><b>2 = with stator coupling, IP65, ø 46 mm [1.81"]</b> | <b>c Interface / power supply</b>  | <b>2 = CANopen DS301 V4.02 / 10 ... 30 V DC</b>   |           | <b>e Fieldbus profile</b>   | <b>21 = CANopen</b> |          |          |
| <b>b Blind hollow shaft (insertion depth max. 14.5 mm [0.57"])</b> | 5 = ø 6 mm [0.24"]<br>7 = ø 8 mm [0.32"]<br><b>4 = ø 10 mm [0.39"]</b><br>6 = ø 1/4"  | <b>d Type of connection</b>  | <b>1 = tangential cable, 1 m [3.28'] PUR</b><br>3 = tangential cable, 5 m [16.40'] PUR<br>F = tangential cable, special length PUR *) |           | <i>Optional on request</i><br>- surface protection<br>salt spray tested |                     |          |          |
|  |   | *) Available special lengths (connection type F):<br>2, 3, 8, 10, 15 m [6.56, 9.84, 26.25, 32.80, 49.21']<br>order code expansion .XXXX = length in dm<br>ex.: 8.F3678.242F:2112.0030 (for cable length 3 m) |   |           |   |                     |          |          |

## Specifications

|                         |            |
|-------------------------|------------|
| <b>Housing diameter</b> | 36         |
| <b>IP Class</b>         | IP65, IP67 |

|                        |     |
|------------------------|-----|
| Shaft Diameter max     | 10  |
| Shaft Diameter min     | 6   |
| Supply Voltage DC Max  | 30  |
| Supply Voltage DC Min  | 10  |
| Temperature range from | -40 |
| Temperature range to   | 85  |

