



## SUCO 0532 ELECTRONIC PRESSURE SWITCH

053225121B011

NPN output (Low Side), NO, 0-25 Bar, 9/16 – 18 UNF, Cable connection

- One Switching Output
- Stainless Steel & Titanium Wetted Parts
- Silicon-On-Sapphire Technology
- Factory Set



### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### GENERAL DATA

|                       |                      |
|-----------------------|----------------------|
| Adjustment range max  | 25 bar               |
| Adjustment range min  | 0 bar                |
| Electrical connection | Embedded 2m cable    |
| Process connection    | 9/16-18UNF           |
| Function              | Normally open (SPST) |
| Output                | NPN                  |
| Burst pressure        | 200 bar              |
| Pressure max          | 100 bar              |

#### TEMPERATURE & MATERIALS DATA

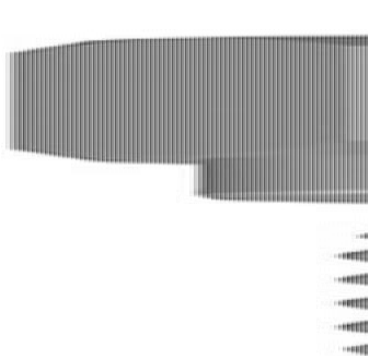
|                           |                                  |
|---------------------------|----------------------------------|
| Temperature of media from | -40 °C                           |
| Temperature of media to   | 125 °C                           |
| Temperature ambient from  | -40 °C                           |
| Temperature ambient to    | 100 °C                           |
| Material of body          | Stainless steel 1.4305           |
| Material of wetted parts  | Stainless steel 1.4305, Titanium |

ADDITIONAL DATA

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| Supply voltage dc max            | 32 V DC                                                                            |
| Supply voltage dc min            | 9.6 V DC                                                                           |
| Pressure rise                    | ≤ 5,000 bar/s                                                                      |
| Switching time                   | < 2 ms                                                                             |
| Switching point adjustment range | 2 ... 100 % of the nominal pressure range Full Scale (FS), programmable at factory |
| Weight                           | 135 g                                                                              |

SAFETY & APPROVALS

|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| IP class                   | IP67                                                                      |
| Hysteresis                 | 2..99.8% of nominal pressure range (full scale), programmable at factory  |
| Shock resistance           | 500m / s²; 11 ms half sine wave; DIN EN 60068-2-27                        |
| Vibration resistance       | 20g; 4..2000 Hz sine wave, DIN EN 60068-2-6                               |
| EMC                        | EMC 2014/30/EU, EN 61000-6-2:2005, EN 61000-6-3:2007                      |
| Accuracy                   | ±0.5 % of adjustment range (Full scale) at room temperature               |
| Long term stability        | ±0.1 % of adjustment range (full scale) per year                          |
| Mechanical life expectancy | 10,000,000 switching cycles at rise rates to 5,000 bar/s nominal pressure |
| Repeatability              | ±0.1 % full scale                                                         |





haz 221

Connection diagrams



Do not connect directly to each connector  
Vcc 2 only for 0-5V



Do not connect directly to each connector  
Vcc 2 only for 0-5V

Technical modifications and errors excepted.

| <b>DN EN 175301-803-A</b>                                                                                                                                                           | <b>M 12 - DIN EN 61076-2-001 A</b>                                                | <b>ISO 15715-A1-4.1</b>                                                           | <b>AMP Superseal</b>                                                              |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|---|-----|---|-----|---|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|-------|-----|-------|-----|---|-----|---|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|-----|---|-----|
|                                                                                                    |  |  |  |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Vcc</td></tr><tr><td>2</td><td>Out</td></tr><tr><td>3</td><td>Gnd</td></tr><tr><td>4</td><td>Out</td></tr></table> | Pin                                                                               | Assignment                                                                        | 1                                                                                 | Vcc | 2 | Out | 3 | Gnd | 4 | Out | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Vcc</td></tr><tr><td>2</td><td>In</td></tr><tr><td>3</td><td>Gnd</td></tr><tr><td>4</td><td>Out</td></tr></table> | Pin | Assignment | 1 | Vcc | 2 | In  | 3 | Gnd | 4                                                                                                                                                                | Out   | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Vcc</td></tr><tr><td>2</td><td>In</td></tr><tr><td>3</td><td>Gnd</td></tr><tr><td>4</td><td>Out</td></tr></table> | Pin | Assignment | 1     | Vcc | 2     | In  | 3 | Gnd | 4 | Out | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Out</td></tr><tr><td>2</td><td>Gnd</td></tr><tr><td>3</td><td>Vcc</td></tr><tr><td>4</td><td>Out</td></tr></table> | Pin | Assignment | 1 | Out | 2 | Gnd | 3 | Vcc | 4 | Out |
| Pin                                                                                                                                                                                 | Assignment                                                                        |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 1                                                                                                                                                                                   | Vcc                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 2                                                                                                                                                                                   | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 3                                                                                                                                                                                   | Gnd                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 4                                                                                                                                                                                   | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Pin                                                                                                                                                                                 | Assignment                                                                        |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 1                                                                                                                                                                                   | Vcc                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 2                                                                                                                                                                                   | In                                                                                |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 3                                                                                                                                                                                   | Gnd                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 4                                                                                                                                                                                   | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Pin                                                                                                                                                                                 | Assignment                                                                        |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 1                                                                                                                                                                                   | Vcc                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 2                                                                                                                                                                                   | In                                                                                |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 3                                                                                                                                                                                   | Gnd                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 4                                                                                                                                                                                   | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Pin                                                                                                                                                                                 | Assignment                                                                        |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 1                                                                                                                                                                                   | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 2                                                                                                                                                                                   | Gnd                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 3                                                                                                                                                                                   | Vcc                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 4                                                                                                                                                                                   | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| IP67                                                                                                                                                                                | IP67                                                                              | IP67                                                                              | IP67                                                                              |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| • 50 / 70 mm <sup>2</sup>                                                                                                                                                           | • 54 mm                                                                           | • 65 mm                                                                           | • 71 mm                                                                           |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| • Ø 10 mm                                                                                                                                                                           | • Ø 11 mm                                                                         | • Ø 11 mm                                                                         | • Ø 16 mm                                                                         |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Order number: 001                                                                                                                                                                   | Order number: 002                                                                 | Order number: 004                                                                 | Order number: 003                                                                 |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| * without copper braid = 70 mm <sup>2</sup> , with copper braid = 70 mm <sup>2</sup>                                                                                                |                                                                                   |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| <b>DEUTSCH DT04-4P</b>                                                                                                                                                              | <b>DEUTSCH DT04-3P</b>                                                            | <b>Cable connection</b>                                                           |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
|                                                                                                    |  |  |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Gnd</td></tr><tr><td>2</td><td>Vcc</td></tr><tr><td>3</td><td>Vcc</td></tr><tr><td>4</td><td>Out</td></tr></table> | Pin                                                                               | Assignment                                                                        | 1                                                                                 | Gnd | 2 | Vcc | 3 | Vcc | 4 | Out | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>A</td><td>Vcc</td></tr><tr><td>B</td><td>Gnd</td></tr><tr><td>C</td><td>Out</td></tr></table>                               | Pin | Assignment | A | Vcc | B | Gnd | C | Out | <table><tr><th>Color</th><th>Assignment</th></tr><tr><td>Red</td><td>Vcc</td></tr><tr><td>White</td><td>Out</td></tr><tr><td>Black</td><td>Gnd</td></tr></table> | Color | Assignment                                                                                                                                                                         | Red | Vcc        | White | Out | Black | Gnd |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Pin                                                                                                                                                                                 | Assignment                                                                        |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 1                                                                                                                                                                                   | Gnd                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 2                                                                                                                                                                                   | Vcc                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 3                                                                                                                                                                                   | Vcc                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| 4                                                                                                                                                                                   | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Pin                                                                                                                                                                                 | Assignment                                                                        |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| A                                                                                                                                                                                   | Vcc                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| B                                                                                                                                                                                   | Gnd                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| C                                                                                                                                                                                   | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Color                                                                                                                                                                               | Assignment                                                                        |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Red                                                                                                                                                                                 | Vcc                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| White                                                                                                                                                                               | Out                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Black                                                                                                                                                                               | Gnd                                                                               |                                                                                   |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| IP67                                                                                                                                                                                | IP67                                                                              | IP67                                                                              |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| • 38 mm                                                                                                                                                                             | • 38 mm                                                                           | • 64 mm                                                                           |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| • Ø 11 mm                                                                                                                                                                           | • Ø 11 mm                                                                         | • 20 mm band width                                                                |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Order number: 008                                                                                                                                                                   | Order number: 009                                                                 | • Cable length = 2 m                                                              |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
|                                                                                                                                                                                     |                                                                                   | • Ø 11 mm                                                                         |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
|                                                                                                                                                                                     |                                                                                   | Order number: 011                                                                 |                                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
|                                                                                                    |  |  |  |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Thread code: 01                                                                                                                                                                     | Thread code: 02                                                                   | Thread code: 03                                                                   | Thread code: 04                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
|                                                                                                    |  |  |  |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |
| Thread code: 05                                                                                                                                                                     | Thread code: 06                                                                   | Thread code: 07                                                                   | Thread code: 08                                                                   |     |   |     |   |     |   |     |                                                                                                                                                                                    |     |            |   |     |   |     |   |     |                                                                                                                                                                  |       |                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                     |     |            |   |     |   |     |   |     |   |     |