



## SUCO 0531 ELECTRONIC PRESSURE SWITCH

053125121B007  
PNP output (High Side), NC, 0-25 Bar, 9/16 – 18 UNF,  
AMP Superseal 1.5

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



### PRODUCT DESCRIPTION

The SUCO 0541 is a compact, high-performance electronic pressure switch engineered with dual PNP outputs, both configured as normally closed. Encased in a durable hex-22 stainless-steel and titanium-wetted housing, it utilises Silicon-on-Sapphire (SoS) sensor technology to deliver precision and long-term stability, while offering high overpressure protection up to 4× the rated pressure. Available in pressure ranges spanning 0–10 bar to 0–600 bar, the 0541 switch supports switching currents up to 500 mA and responds rapidly under demanding conditions with pressure change rates reaching 5,000 bar/s. Factory-set switching points and hysteresis (0.2–99.8 % FS) ensure reliable performance, with a sealed welded design eliminating elastomer seals and meeting IP67 and industrial EMC standards.

The 0541 excels in harsh hydraulic and pneumatic environments, such as construction machinery, mobile hydraulic systems, off-road vehicles, and industrial automation, where compact size, durable construction, and reliable switching under dynamic pressures are essential. Its dual NC PNP outputs allow for redundant or staged switching logic in safety circuits or PLC-controlled systems, ideal for overpressure alarms, machine shutdowns, or interlock functions. The fast response time, high resistance to pressure peaks, and welded sensor design make it particularly suitable for vibration-heavy or wash-down settings. Furthermore, the availability of diverse process threads and electrical connectors ensures seamless integration into OEM systems requiring rugged, precise, and dependable pressure monitoring.

## TECHNICAL DATA

### GENERAL DATA

|                       |                 |
|-----------------------|-----------------|
| Adjustment range max  | 25 bar          |
| Adjustment range min  | 0 bar           |
| Electrical connection | AMP Superseal   |
| Process connection    | 9/16-18UNF      |
| Function              | Normally Closed |
| Output                | PNP             |
| Burst pressure        | 200 bar         |
| Pressure max          | 100 bar         |

TEMPERATURE & MATERIALS DATA

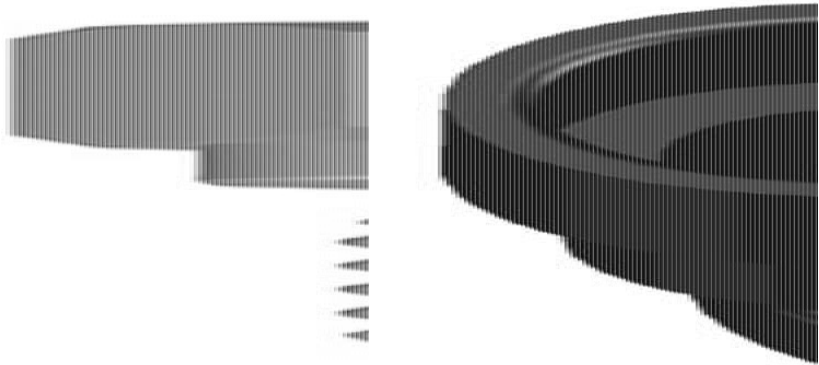
|                           |                                  |
|---------------------------|----------------------------------|
| Temperature of media from | -40 °C                           |
| Temperature of media to   | 125 °C                           |
| Temperature ambient from  | -40 °C                           |
| 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                           | 80 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                                                         |



| DIN EN 175301-803-A                                                                                                                                                                                                                                       | M 12 - DIN EN 91076-3-103-A | ISO 15170-A1-4.1 | AMP Superseal |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------|---------------|-----|---|-----|---|------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|------|---|-----|
|                                                                                                                                                                                                                                                           |                             |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr><tr><td>4</td><td>Uv+</td></tr></table> <p>PNC<br/>L = 60 / 76 mm*<br/>Ø = Ø 10 mm<br/>Order number: 001</p> | Pin                         | Assignment       | 1             | Uv+ | 2 | Uv- | 3 | Grnd | 4 | Uv+ | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr><tr><td>4</td><td>Uv+</td></tr></table> <p>PNC<br/>L = 60 / 76 mm*<br/>Ø = Ø 10 mm<br/>Order number: 002</p> | Pin | Assignment | 1 | Uv+ | 2 | Uv- | 3 | Grnd | 4 | Uv+ | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr><tr><td>4</td><td>Uv+</td></tr></table> <p>PNC<br/>L = 60 / 76 mm*<br/>Ø = Ø 10 mm<br/>Order number: 003</p> | Pin | Assignment | 1 | Uv+ | 2 | Uv- | 3 | Grnd | 4 | Uv+ | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr><tr><td>4</td><td>Uv+</td></tr></table> <p>PNC<br/>L = 60 / 76 mm*<br/>Ø = Ø 10 mm<br/>Order number: 007</p> | Pin | Assignment | 1 | Uv+ | 2 | Uv- | 3 | Grnd | 4 | Uv+ |
| Pin                                                                                                                                                                                                                                                       | Assignment                  |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 1                                                                                                                                                                                                                                                         | Uv+                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 2                                                                                                                                                                                                                                                         | Uv-                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 3                                                                                                                                                                                                                                                         | Grnd                        |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 4                                                                                                                                                                                                                                                         | Uv+                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| Pin                                                                                                                                                                                                                                                       | Assignment                  |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 1                                                                                                                                                                                                                                                         | Uv+                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 2                                                                                                                                                                                                                                                         | Uv-                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 3                                                                                                                                                                                                                                                         | Grnd                        |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 4                                                                                                                                                                                                                                                         | Uv+                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| Pin                                                                                                                                                                                                                                                       | Assignment                  |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 1                                                                                                                                                                                                                                                         | Uv+                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 2                                                                                                                                                                                                                                                         | Uv-                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 3                                                                                                                                                                                                                                                         | Grnd                        |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 4                                                                                                                                                                                                                                                         | Uv+                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| Pin                                                                                                                                                                                                                                                       | Assignment                  |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 1                                                                                                                                                                                                                                                         | Uv+                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 2                                                                                                                                                                                                                                                         | Uv-                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 3                                                                                                                                                                                                                                                         | Grnd                        |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 4                                                                                                                                                                                                                                                         | Uv+                         |                  |               |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |

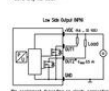
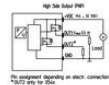
\*without copper socket = 60 mm, with copper socket = 76 mm

| DEUTSCH DT04-4P                                                                                                                                                                       | DEUTSCH DT04-3P                                                                   | Cable connection                                                                                             |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---|------|---|-----|---|-----|---|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|-----|-----|-------|-----|-------|------|
|                                                                                                      |  |                             |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
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| Pin                                                                                                                                                                                   | Assignment                                                                        |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| 1                                                                                                                                                                                     | Grnd                                                                              |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| 2                                                                                                                                                                                     | Uv+                                                                               |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| 3                                                                                                                                                                                     | Uv-                                                                               |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| 4                                                                                                                                                                                     | Grnd                                                                              |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| Pin                                                                                                                                                                                   | Assignment                                                                        |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| 1                                                                                                                                                                                     | Uv+                                                                               |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| 2                                                                                                                                                                                     | Uv-                                                                               |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| 3                                                                                                                                                                                     | Grnd                                                                              |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| Cable                                                                                                                                                                                 | Assignment                                                                        |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| red                                                                                                                                                                                   | Uv+                                                                               |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| white                                                                                                                                                                                 | Uv-                                                                               |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| black                                                                                                                                                                                 | Grnd                                                                              |                                                                                                              |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |
| <p>• L = 38 mm</p> <p>Ø = Ø 23 mm</p> <p>Order number: 006</p>                                                                                                                        | <p>• L = 38 mm</p> <p>Ø = Ø 23 mm</p> <p>Order number: 010</p>                    | <p>• L = 68 mm<br/>(ø 25 mm bend add)<br/>Cable length = 2 m</p> <p>Ø = Ø 23 mm</p> <p>Order number: 011</p> |   |      |   |     |   |     |   |      |                                                                                                                                                       |     |            |   |     |   |     |   |      |                                                                                                                                                                   |       |            |     |     |       |     |       |      |

| Thread code: 41                                             | Thread code: 43                                             | Thread code: 44                                             | Thread code: 49                                             |
|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> |
| Thread code: 50                                             | Thread code: 55                                             | Thread code: 21                                             | Thread code: 42                                             |
| <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> |



Connection diagrams



Technical modifications and errors excepted.

| DIN EN 175301-803-A                                                                                                                                                                                                                                       | M 12 - DIN EN 91076-3-103-A                                                         | ISO 15170-A1-4.1                                                                    | AMP Superseal                                                                       |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|---|-----|---|------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|------|---|-----|
|                                                                                                                                                                        |  |  |  |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr><tr><td>4</td><td>Uv+</td></tr></table> <p>PNC<br/>L = 60 / 76 mm*<br/>Ø = Ø 10 mm<br/>Order number: 001</p> | Pin                                                                                 | Assignment                                                                          | 1                                                                                   | Uv+ | 2 | Uv- | 3 | Grnd | 4 | Uv+ | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr><tr><td>4</td><td>Uv+</td></tr></table> <p>PNC<br/>L = 60 / 76 mm*<br/>Ø = Ø 10 mm<br/>Order number: 002</p> | Pin | Assignment | 1 | Uv+ | 2 | Uv- | 3 | Grnd | 4 | Uv+ | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr><tr><td>4</td><td>Uv+</td></tr></table> <p>PNC<br/>L = 60 / 76 mm*<br/>Ø = Ø 10 mm<br/>Order number: 003</p> | Pin | Assignment | 1 | Uv+ | 2 | Uv- | 3 | Grnd | 4 | Uv+ | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr><tr><td>4</td><td>Uv+</td></tr></table> <p>PNC<br/>L = 60 / 76 mm*<br/>Ø = Ø 10 mm<br/>Order number: 007</p> | Pin | Assignment | 1 | Uv+ | 2 | Uv- | 3 | Grnd | 4 | Uv+ |
| Pin                                                                                                                                                                                                                                                       | Assignment                                                                          |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 1                                                                                                                                                                                                                                                         | Uv+                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 2                                                                                                                                                                                                                                                         | Uv-                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 3                                                                                                                                                                                                                                                         | Grnd                                                                                |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 4                                                                                                                                                                                                                                                         | Uv+                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| Pin                                                                                                                                                                                                                                                       | Assignment                                                                          |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 1                                                                                                                                                                                                                                                         | Uv+                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 2                                                                                                                                                                                                                                                         | Uv-                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 3                                                                                                                                                                                                                                                         | Grnd                                                                                |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 4                                                                                                                                                                                                                                                         | Uv+                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| Pin                                                                                                                                                                                                                                                       | Assignment                                                                          |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 1                                                                                                                                                                                                                                                         | Uv+                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 2                                                                                                                                                                                                                                                         | Uv-                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 3                                                                                                                                                                                                                                                         | Grnd                                                                                |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 4                                                                                                                                                                                                                                                         | Uv+                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| Pin                                                                                                                                                                                                                                                       | Assignment                                                                          |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 1                                                                                                                                                                                                                                                         | Uv+                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 2                                                                                                                                                                                                                                                         | Uv-                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 3                                                                                                                                                                                                                                                         | Grnd                                                                                |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |
| 4                                                                                                                                                                                                                                                         | Uv+                                                                                 |                                                                                     |                                                                                     |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |                                                                                                                                                                                                                                                           |     |            |   |     |   |     |   |      |   |     |

\*without copper socket = 60 mm, with copper socket = 76 mm

| <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>Grnd</td></tr><tr><td>2</td><td>Uv+</td></tr><tr><td>3</td><td>Uv-</td></tr><tr><td>4</td><td>Grnd</td></tr></table> <p>PNC</p> | Pin                                                                                 | Assignment                                                                          | 1 | Grnd | 2 | Uv+ | 3 | Uv- | 4 | Grnd | <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Uv+</td></tr><tr><td>2</td><td>Uv-</td></tr><tr><td>3</td><td>Grnd</td></tr></table> <p>PNC</p> | Pin | Assignment | 1 | Uv+ | 2 | Uv- | 3 | Grnd | <table><tr><th>Cable</th><th>Assignment</th></tr><tr><td>red</td><td>Uv+</td></tr><tr><td>white</td><td>Uv-</td></tr><tr><td>black</td><td>Grnd</td></tr></table> <p>PNC</p> | Cable | Assignment | red | Uv+ | white | Uv- | black | Grnd |
| Pin                                                                                                                                                                                              | Assignment                                                                          |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| 1                                                                                                                                                                                                | Grnd                                                                                |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| 2                                                                                                                                                                                                | Uv+                                                                                 |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| 3                                                                                                                                                                                                | Uv-                                                                                 |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| 4                                                                                                                                                                                                | Grnd                                                                                |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| Pin                                                                                                                                                                                              | Assignment                                                                          |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| 1                                                                                                                                                                                                | Uv+                                                                                 |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| 2                                                                                                                                                                                                | Uv-                                                                                 |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| 3                                                                                                                                                                                                | Grnd                                                                                |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| Cable                                                                                                                                                                                            | Assignment                                                                          |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| red                                                                                                                                                                                              | Uv+                                                                                 |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| white                                                                                                                                                                                            | Uv-                                                                                 |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| black                                                                                                                                                                                            | Grnd                                                                                |                                                                                     |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| INUT 3P4000                                                                                                                                                                                      | INUT 3P4000                                                                         | INUT                                                                                |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| • L = 38 mm                                                                                                                                                                                      | • L = 38 mm                                                                         | • L = 68 mm<br>(ø 25 mm bend add)<br>Cable length = 2 m                             |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| • Ø = Ø 23 mm                                                                                                                                                                                    | • Ø = Ø 23 mm                                                                       | • Ø = Ø 23 mm                                                                       |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |
| Order number: 006                                                                                                                                                                                | Order number: 010                                                                   | Order number: 011                                                                   |   |      |   |     |   |     |   |      |                                                                                                                                                                  |     |            |   |     |   |     |   |      |                                                                                                                                                                              |       |            |     |     |       |     |       |      |

| Thread code: 41                                             | Thread code: 43                                             | Thread code: 44                                             | Thread code: 49                                             |
|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> |
| Thread code: 50                                             | Thread code: 55                                             | Thread code: 21                                             | Thread code: 42                                             |
| <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> | <p>           M 12x1<br/>           DIN 9132 A         </p> |