



### Plastic conduit connector with integrated inner socket; rotary connecting thread

#### Application

- cable protection: cable protection screw connection for assembling of a fitting protection hose, cable protection tube, cable protection hose, electric installation, switch cabinets, switch cabinet installation, cable harnessing/ cable assembly

#### Properties

- IP 54 to EN/ IEC 60529
- self-locking conduit assembly
- inner socket protects cables from damage
- easily and quickly fitted

- one-piece
- good resistance to chemicals
- flame-retardant
- designed according to EN 60204 for plant and mechanical engineering
- thread reference: M (metric) to EN 60423, P (PG) to DIN 40430
- conforms to RoHS guideline

#### Temperature Range

- -10°C to 110°C

#### Design

- accessories
- Body: plastic (PP)
- rotary plastic (PP) connecting thread with hexagonal spanner surface

#### Delivery variants

- grey (standard)
- special colours: full coloured

| Nominal Length tube (mm)                | Thread metric M EN 60423 | Thread PG DIN 40430 | Thread Length (mm) | Total Length L (mm) | Wrench Size across Flats SW (mm) | O.D. D (mm) | I.D. d (mm) | Weight (kg/100pcs) | PU (Pcs) | Order No.     |
|---|--------------------------|---------------------|--------------------|---------------------|----------------------------------|-------------|-------------|--------------------|----------|---------------|
| <b>PU: 10; thread metric M EN 60423</b> |                          |                     |                    |                     |                                  |             |             |                    |          |               |
| 14                                      | M16 x 1,5                | -                   | 8,5                | 44,0                | 20                               | 22,0        | 8,8         | 0,7                | 10       | 180-8016-9010 |
| 17                                      | M20 x 1,5                | -                   | 9,0                | 47,5                | 24                               | 26,4        | 11,1        | 0,9                | 10       | 180-8020-9010 |
| 21                                      | M25 x 1,5                | -                   | 10,0               | 52,0                | 30                               | 32,8        | 14,8        | 1,5                | 10       | 180-8025-9010 |
| 27                                      | M32 x 1,5                | -                   | 11,0               | 55,0                | 36                               | 39,3        | 19,4        | 2,1                | 10       | 180-8032-9010 |
| 56                                      | M63 x 1,5                | -                   | 13,5               | 63,0                | 65                               | 71,0        | 45,9        | 7,0                | 10       | 180-8063-9010 |
| <b>PU: 50; thread metric M EN 60423</b> |                          |                     |                    |                     |                                  |             |             |                    |          |               |
| 14                                      | M16 x 1,5                | -                   | 8,5                | 44,0                | 20                               | 22,0        | 8,8         | 0,7                | 50       | 180-8016-9050 |
| 17                                      | M20 x 1,5                | -                   | 9,0                | 47,5                | 24                               | 26,4        | 11,1        | 0,9                | 50       | 180-8020-9050 |
| 21                                      | M25 x 1,5                | -                   | 10,0               | 52,0                | 30                               | 32,8        | 14,8        | 1,5                | 50       | 180-8025-9050 |
| <b>PU: 25; thread metric M EN 60423</b> |                          |                     |                    |                     |                                  |             |             |                    |          |               |
| 27                                      | M32 x 1,5                | -                   | 11,0               | 55,0                | 36                               | 39,3        | 19,4        | 2,1                | 25       | 180-8032-9025 |
| 36                                      | M40 x 1,5                | -                   | 12,0               | 57,8                | 46                               | 50,2        | 27,9        | 3,4                | 25       | 180-8040-9025 |
| 45                                      | M50 x 1,5                | -                   | 13,0               | 61,0                | 55                               | 60,0        | 35,6        | 4,9                | 25       | 180-8050-9025 |

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/).



| Nominal Length tube (mm)               | Thread metric M EN 60423 | Thread PG DIN 40430 | Thread Length (mm) | Total Length L (mm) | Wrench Size across Flats SW (mm) | O.D. D (mm) | I.D. d (mm) | Weight (kg/100pcs) | PU (Pcs) | Order No.         |
|--|--------------------------|---------------------|--------------------|---------------------|----------------------------------|-------------|-------------|--------------------|----------|-------------------|
| <b>PU: 2; thread metric M EN 60423</b> |                          |                     |                    |                     |                                  |             |             |                    |          |                   |
| 36                                     | M40 x 1,5                | -                   | 12,0               | 57,8                | 46                               | 50,2        | 27,9        | 3,4                | 2        | 180-8040-900<br>2 |
| 45                                     | M50 x 1,5                | -                   | 13,0               | 61,0                | 55                               | 60,0        | 35,6        | 4,9                | 2        | 180-8050-900<br>2 |
| 56                                     | M63 x 1,5                | -                   | 13,5               | 63,0                | 65                               | 71,0        | 45,9        | 7,0                | 2        | 180-8063-900<br>2 |
| <b>PU: 10; thread PFG DIN 40430</b>    |                          |                     |                    |                     |                                  |             |             |                    |          |                   |
| 10                                     | -                        | PG 7                | 7,5                | 41,0                | 17                               | 18,7        | 5,5         | 0,5                | 10       | 180-9007-901<br>0 |
| 14                                     | -                        | PG 9                | 8,5                | 44,0                | 20                               | 22,0        | 8,8         | 0,7                | 10       | 180-9009-901<br>0 |
| 17                                     | -                        | PG 11               | 9,0                | 47,5                | 24                               | 26,4        | 11,1        | 0,9                | 10       | 180-9011-901<br>0 |
| 19                                     | -                        | PG 13,5             | 9,5                | 49,5                | 27                               | 29,7        | 13,0        | 1,2                | 10       | 180-9013-901<br>0 |
| 21                                     | -                        | PG 16               | 10,0               | 52,0                | 30                               | 32,8        | 14,8        | 1,5                | 10       | 180-9016-901<br>0 |
| 27                                     | -                        | PG 21               | 11,0               | 55,0                | 36                               | 39,3        | 19,4        | 2,1                | 10       | 180-9021-901<br>0 |
| 52                                     | -                        | PG 42               | 13,0               | 62,3                | 62                               | 67,5        | 41,9        | 6,1                | 10       | 180-9042-901<br>0 |
| 56                                     | -                        | PG 48               | 13,5               | 63,0                | 65                               | 71,0        | 45,9        | 7,0                | 10       | 180-9048-901<br>0 |
| <b>PU: 50; thread PFG DIN 40430</b>    |                          |                     |                    |                     |                                  |             |             |                    |          |                   |
| 10                                     | -                        | PG 7                | 7,5                | 41,0                | 17                               | 18,7        | 5,5         | 0,5                | 50       | 180-9007-905<br>0 |
| 14                                     | -                        | PG 9                | 8,5                | 44,0                | 20                               | 22,0        | 8,8         | 0,7                | 50       | 180-9009-905<br>0 |
| 17                                     | -                        | PG 11               | 9,0                | 47,5                | 24                               | 26,4        | 11,1        | 0,9                | 50       | 180-9011-905<br>0 |
| 19                                     | -                        | PG 13,5             | 9,5                | 49,5                | 27                               | 29,7        | 13,0        | 1,2                | 50       | 180-9013-905<br>0 |
| 21                                     | -                        | PG 16               | 10,0               | 52,0                | 30                               | 32,8        | 14,8        | 1,5                | 50       | 180-9016-905<br>0 |
| <b>PU: 25; thread PFG DIN 40430</b>    |                          |                     |                    |                     |                                  |             |             |                    |          |                   |
| 27                                     | -                        | PG 21               | 11,0               | 55,0                | 36                               | 39,3        | 19,4        | 2,1                | 25       | 180-9021-902<br>5 |
| 36                                     | -                        | PG 29               | 12,0               | 57,8                | 46                               | 50,2        | 27,9        | 3,4                | 25       | 180-9029-902<br>5 |
| 45                                     | -                        | PG 36               | 13,0               | 61,0                | 55                               | 60,0        | 35,6        | 4,9                | 25       | 180-9036-902<br>5 |
| <b>PU: 2; thread PFG DIN 40430</b>     |                          |                     |                    |                     |                                  |             |             |                    |          |                   |
| 36                                     | -                        | PG 29               | 12,0               | 57,8                | 46                               | 50,2        | 27,9        | 3,4                | 2        | 180-9029-900<br>2 |
| 45                                     | -                        | PG 36               | 13,0               | 61,0                | 55                               | 60,0        | 35,6        | 4,9                | 2        | 180-9036-900<br>2 |
| 56                                     | -                        | PG 48               | 13,5               | 63,0                | 65                               | 71,0        | 45,9        | 7,0                | 2        | 180-9048-900<br>2 |

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