

# G-ESSWU-M20-M66L-NTES-S - Cable gland



1411090

<https://www.phoenixcontact.com/us/products/1411090>

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Cable gland, material for screw connection: Brass, nickel-plated, application: Ex, external cable diameter 12.5 mm ... 20.9 mm, shielding: yes, connecting thread: M20 x 1.5, color: silver-colored

## Product description

Cable gland, for armored cables (SWA / AWA / PWA / STA / SWB / ASA / CY / SY)

## Your advantages

- If space is restricted at the fixing location of the screw connection, the armor can be attached at a location where there is more room to move. Final assembly can then be easily completed in the restricted space conditions at the fixing location of the screw connection.
- Armor connected via PE cone
- Weatherproof sealing material

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1411090       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF68          |
| Product key                          | AF7DDX        |
| GTIN                                 | 4046356922036 |
| Weight per piece (including packing) | 208.48 g      |
| Weight per piece (excluding packing) | 200.56 g      |
| Customs tariff number                | 74198090      |
| Country of origin                    | GB            |

## Technical data

### Mounting

|               |   |
|---------------|---|
| Assembly note | With integrated grounding cones, sealed to IP66/IP67/IP68 thanks to the use of the A-SEW-20-P-W flat gasket (item 1411283)  |
|               | If space is restricted at the fixing location of the screw connection, the armor can be attached at a location where there is more room to move. Final assembly can then be easily completed in the restricted space conditions at the fixing location of the screw connection. |

### Product properties

|                                |                      |
|--------------------------------|----------------------|
| Product type                   | Cable screw gland    |
| Application                    | Ex                   |
| No. of conductors              | 1                    |
| Manufacturer                   | CMP                  |
| Manufacturer Designation       | 20 C2K N. PLTD GLAND |
| Manufacturer product number    | 20C2K1RA5            |
| Shielded                       | yes                  |
| Execution of the strain relief | D                    |

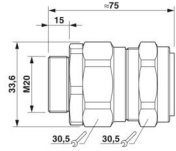
### Ex data

|                              |   |
|------------------------------|---|
| Cable types that can be used | Depending on the material of the housing wall (SWA/AWA/PWA/STA/ASA/CY/SY/SWB) |
| Suited for EX-applications   | yes   |

### Characteristics

|                              |                                  |
|------------------------------|----------------------------------|
| Category of shock impact     | 8                                |
| Cable diameter without armor | 14 mm (Filler beneath the armor) |
| Design, Strain relief        | D                                |

### Dimensions

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Length                          | 75 mm  |
| Length of the connecting thread | 15 mm  |
| Wrench size, union nut          | 30.5 mm  |
| Wrench size, support            | 30.5 mm  |
| Hexagon angular dimension       | 33.6 mm  |
| Thread type connection side     | M20 x 1.5  |
| Thread pitch                    | 1.5 mm   |

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|                 |  |
|-----------------|--|
| Armor thickness | 0.8 mm ... 1.25 mm (Stepped cone side (SWA/...)) |
|                 | 0 mm ... 0.8 mm (Grooved cone side (STA/...))    |

## Material specifications

|                               |                      |
|-------------------------------|----------------------|
| Color                         | brass color          |
| Seal material Cable seal      | EPDM                 |
| Material for screw connection | Brass, nickel-plated |

## Cable/line

|                         |                     |
|-------------------------|---------------------|
| External cable diameter | 12.5 mm ... 20.9 mm |
|-------------------------|---------------------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |   |
|---------------------------------|---|
| Degree of protection            | IP66 (using the corresponding A-SEW-...P-W flat gasket) |
|                                 | IP67 (using the corresponding A-SEW-...P-W flat gasket) |
|                                 | IP68 (using the corresponding A-SEW-...P-W flat gasket) |
| Ambient temperature (operation) | -60 °C ... 130 °C (static)                              |

## Approvals

|       |  |
|-------|--|
| ATEX  | Sira 13ATEX1070X   |
|       | Sira 13ATEX4076X   |
|       | Ex II 2G, II 1D, Ex e IIC Gb, Ex ta IIIC Da, Ex II 3G Ex nR IIC Gc |
| IECEX | IECEX SIR 13.0025X   |
|       | Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da                           |

## Standards and regulations

### EN Ex

|                          |                          |
|--------------------------|--------------------------|
| Standards/specifications | EN 60079-0, -7, -15, -31 |
|--------------------------|--------------------------|

### IEC Ex

|                          |                           |
|--------------------------|---------------------------|
| Standards/specifications | IEC 60079-0, -7, -15, -31 |
|--------------------------|---------------------------|

### Cable glands

|                          |          |
|--------------------------|----------|
| Standards/specifications | EN 50262 |
|--------------------------|----------|

### Cable glands

|                          |                      |
|--------------------------|----------------------|
| Standards/specifications | BS 6121: Part 1:1989 |
|--------------------------|----------------------|

### Cable glands

|                          |           |
|--------------------------|-----------|
| Standards/specifications | IEC 62444 |
|--------------------------|-----------|

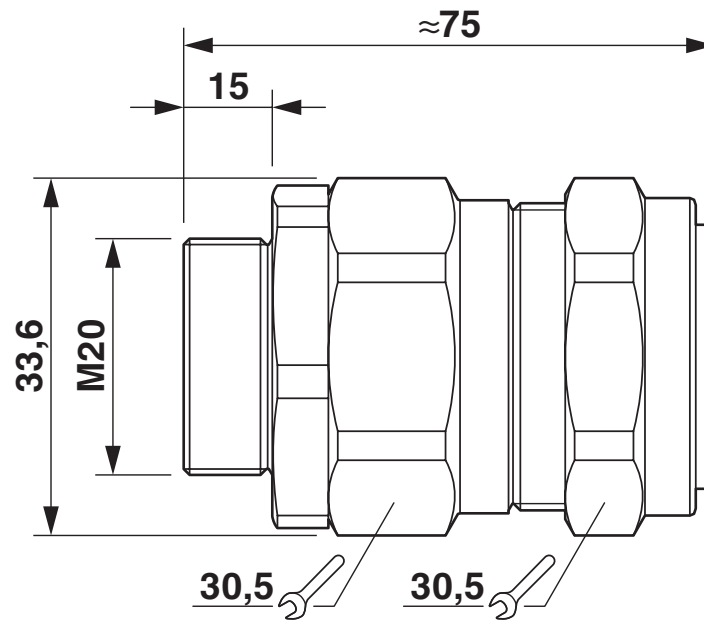
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411090>



**EAC Ex**

Approval ID: RU C-GB.AA87.B.00487



**IECEX**

Approval ID: IECEX SIR 13.0025X



**ATEX**

Approval ID: CML 18ATEX1323X



**ATEX**

Approval ID: CML 18ATEX4315X

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27140802 |
| ECLASS-15.0 | 27140802 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000441 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121300 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | f7d028b8-c07d-44b5-a258-e909f813f05f |

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