

## 2/2-Wege Coaxialventil 2/2-way coaxial valve

## Baureihe 270 -X / 271 -X / 272 -X Type 270 -X / 271 -X / 272 -X

**direktgesteuert**  
**Modulbauweise**

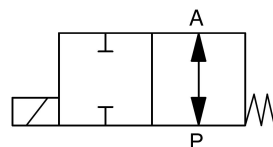
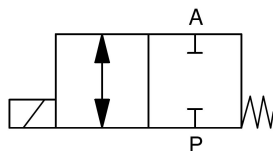
*direct acting*  
*modular design*

Schaltfunktion A:  
function A:

NC (stromlos geschlossen)  
NC (normally closed)

Schaltfunktion B:  
function B:

NO (stromlos offen)  
NO (normally open)



|                               |                                                                                                                    |                           |                                                                                              |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------|
| <b>Nennweite</b>              | DN 10 PN 50                                                                                                        | <b>diameter</b>           | DN 10 PN 50                                                                                  |
| <b>Druckbereich</b>           | 0 – max. 100bar<br>Gegendruckdicht bis max. 16bar                                                                  | <b>pressure range</b>     | 0 – max. 100bar<br>backpressure leakproof up to max. 16bar                                   |
| <b>Gehäusewerkstoff</b>       | Einzelventil: Messing<br>Block: Aluminium                                                                          | <b>body material</b>      | single valve: brass<br>block: aluminium                                                      |
| <b>Dichtwerkstoff</b>         | statisch: FKM<br>dynamisch: PTFE<br>Sitzdichtung: FKM, PTFE                                                        | <b>seal material</b>      | static: FKM<br>dynamic: PTFE<br>seat seal: FKM, PTFE                                         |
| <b>Temperatur</b>             | Medium: -10 bis +100°C<br>Umgebung: -10 bis +50°C                                                                  | <b>temperature</b>        | media: -10 up to +100°C<br>ambient: -10 up to +50°C                                          |
| <b>Anschluss</b>              | Ventil: G1/4 – G2<br>Block: G1/2 – G2 1/2                                                                          | <b>connection</b>         | valve: G1/4 – G2<br>block: G1/2 – G2 1/2                                                     |
| <b>Durchflussrichtung</b>     | P A max. 100bar<br>A P max. 16bar                                                                                  | <b>flow direction</b>     | P A max. 100bar<br>A P max. 16bar                                                            |
| <b>Elektrischer Anschluss</b> | Gerätesteckdose nach<br>DIN EN 175301 -803 Bauform A,<br>bei Wechselstrombetrieb mit integriertem<br>Gleichrichter | <b>electr. connection</b> | plug acc.<br>DIN EN 175301 -803 form A,<br>a.c. operation, coil with rectifier<br>integrated |
| <b>Anschlussspannung</b>      | 230V 50Hz, 24V DC, Sonderspannungen                                                                                | <b>nominal voltage</b>    | 230V 50Hz, 24V DC, special voltages                                                          |
| <b>Spannungstoleranz</b>      | + / - 10% nach VDE 0580                                                                                            | <b>voltage tolerance</b>  | + / - 10% acc. VDE 0580                                                                      |
| <b>Einschaltdauer</b>         | 100% ED                                                                                                            | <b>duty factor</b>        | 100% ED                                                                                      |
| <b>Schutzart</b>              | IP 65 mit montierter Gerätesteckdose                                                                               | <b>protection class</b>   | IP 65 with plug mounted                                                                      |
| <b>Einbaulage</b>             | beliebig                                                                                                           | <b>mounting</b>           | in any position                                                                              |

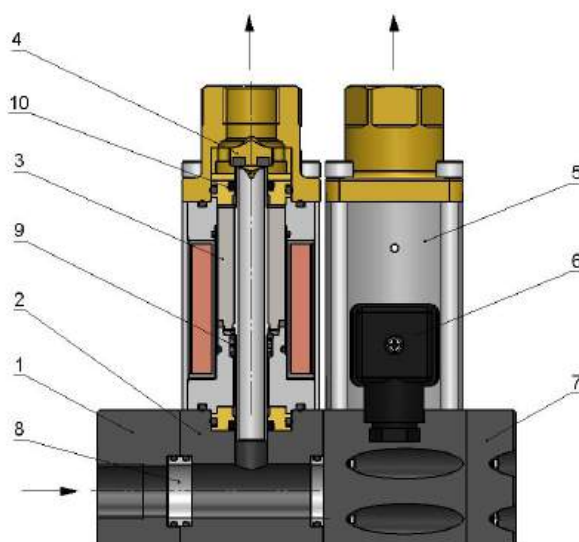
Technische Änderungen vorbehalten / *modifications reserved*

## 2/2-Wege Coaxialventil 2/2-way coaxial valve

## Baureihe 270 -X / 271 -X / 272 -X Type 270 -X / 271 -X / 272 -X

| Baureihe<br>type | DN<br>[mm] | Druck<br>pressure range<br>[bar] | Anschluss<br>connection | Kv-Wert<br>flow rate<br>[m³/h] | Leistungsaufnahme<br>power consumption<br>[W] |           | Gewicht - Messing<br>weight - brass<br>[kg] |
|------------------|------------|----------------------------------|-------------------------|--------------------------------|-----------------------------------------------|-----------|---------------------------------------------|
|                  |            |                                  |                         |                                | 24V DC                                        | 230V 50Hz |                                             |
| 270-X            | 10         | 0 – 40                           | G1/4, G3/8, G1/2        | 2,5                            | 35                                            | 41        | 1,7                                         |
| 270-X            | 15         | 0 – 40                           | G3/8, G1/2, G3/4        | 5,2                            | 40                                            | 45        | 3,6                                         |
| 270-X            | 20         | 0 – 40                           | G1/2, G3/4, G1          | 7,0                            | 45                                            | 53        | 5,4                                         |
| 270-X            | 25         | 0 – 40                           | G3/4, G1, G1 1/4        | 12,3                           | 60                                            | 68        | 7,1                                         |
| 270-X            | 32         | 0 – 40                           | G1, G1 1/4, G1 1/2      | 20,0                           | 73                                            | 76        | 12,6                                        |
| 270-X            | 40         | 0 – 16                           | G1 1/2                  | 45,7                           | 73                                            | 91        | 18,3                                        |
| 270-X            | 50         | 0 – 16                           | G2                      | 47,2                           | 73                                            | 91        | 18,3                                        |
| 271-X            | 10         | 0 – 64                           | G1/4, G3/8, G1/2        | 2,5                            | 44                                            | 53        | 1,7                                         |
| 271-X            | 15         | 0 – 64                           | G3/8, G1/2, G3/4        | 5,2                            | 50                                            | 55        | 3,6                                         |
| 271-X            | 20         | 0 – 64                           | G1/2, G3/4, G1          | 7,0                            | 53                                            | 59        | 5,4                                         |
| 271-X            | 25         | 0 – 64                           | G3/4, G1, G1 1/4        | 12,3                           | 77                                            | 85        | 7,1                                         |
| 271-X            | 32         | 0 – 64                           | G1, G1 1/4, G1 1/2      | 20,0                           | 73                                            | 76        | 12,6                                        |
| 272-X            | 10         | 0 – 100                          | G1/4, G3/8, G1/2        | 2,5                            | 44                                            | 53        | 1,7                                         |
| 272-X            | 15         | 0 – 100                          | G3/8, G1/2, G3/4        | 5,2                            | 50                                            | 55        | 3,6                                         |
| 272-X            | 20         | 0 – 100                          | G1/2, G3/4, G1          | 7,0                            | 53                                            | 59        | 5,4                                         |
| 272-X            | 25         | 0 – 100                          | G3/4, G1, G1 1/4        | 12,3                           | 77                                            | 85        | 7,1                                         |
| 272-X            | 32         | 0 – 100                          | G1, G1 1/4, G1 1/2      | 20,0                           | 73                                            | 76        | 12,6                                        |

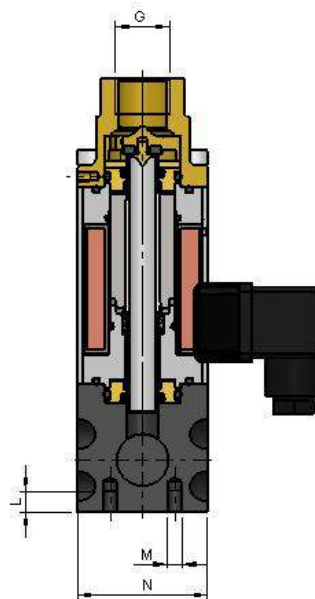
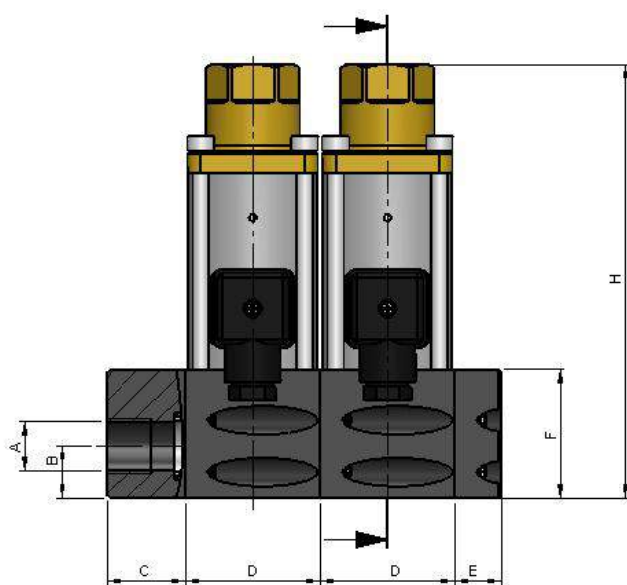
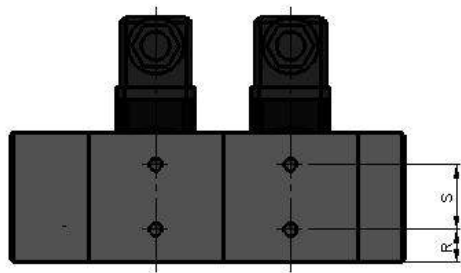
### Schnittzeichnung sectional drawing



| Pos.<br>pos. | Menge<br>quantity | Benennung            | description    |
|--------------|-------------------|----------------------|----------------|
| 1            | 1                 | Anschlussstück links | fitting left   |
| 2            | 2                 | Blockmodul           | block module   |
| 3            | 2                 | Anker                | plunger        |
| 4            | 2                 | Ventilsitz           | valve seat     |
| 5            | 2                 | Magnet               | solenoid       |
| 6            | 2                 | Gerätesteckdose      | plug           |
| 7            | 1                 | Abschlussdeckel      | end cover      |
| 8            | 3                 | Distanzstück         | distance piece |
| 9            | 1                 | Feder                | spring         |
| 10           | 2                 | PTFE-Stangendichtung | PTFE-rod seal  |

Technische Änderungen vorbehalten / modifications reserved

**Maßzeichnung**  
dimension drawing



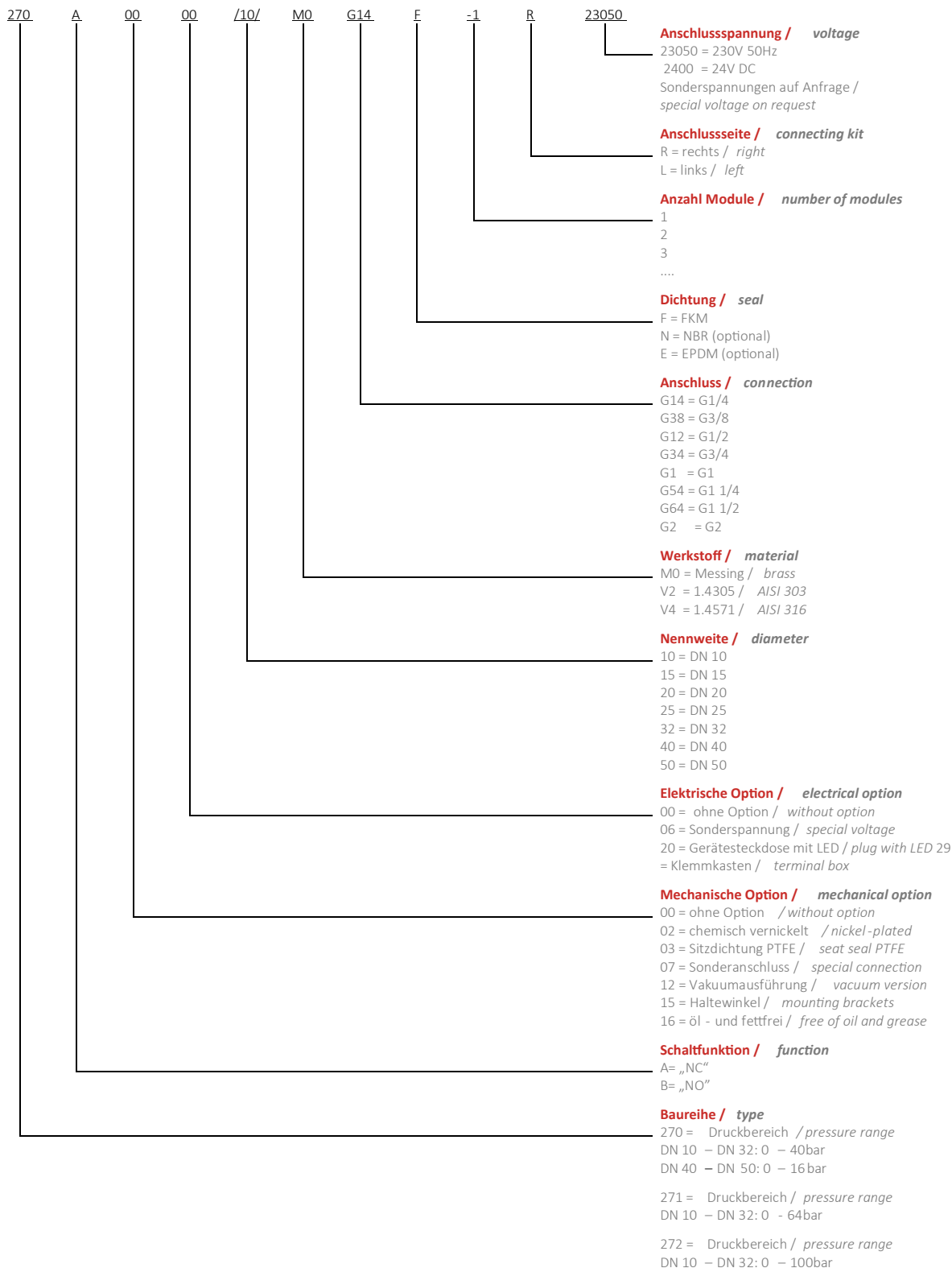
| DN<br>[mm] | A                      | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | H<br>[mm] | G               | L<br>[mm] | M<br>[mm] | N<br>[mm] | R<br>[mm] | S<br>[mm] |
|------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|
| 10         | G1/2, G3/4, G1         | 20        | 42        | 52        | 18        | 49,5      | 167       | 1/4, 3/8, 1/2   | 8         | M6        | 50        | 13        | 25        |
| 15         | G1/2, G3/4, G1, G1 1/4 | 28        | 42        | 72        | 27        | 69,5      | 207       | 3/8, 1/2, 3/4   | 8         | M6        | 70        | 21        | 28        |
| 20         | G1, G1 1/4, G1 1/2     | 34        | 32        | 82        | 32        | 79,5      | 235       | 1/2, 3/4, 1     | 10        | M8        | 80        | 25        | 34        |
| 25         | G1, G1 1/4, G1 1/2     | 36        | 32        | 92        | 32        | 89,5      | 265       | 3/4, 1, 1 1/4   | 10        | M8        | 90        | 20        | 50        |
| 32         | G1 1/4, G1 1/2, G2     | 50        | 34        | 118       | 34        | 114,5     | 302       | 1, 1 1/4, 1 1/2 | 10        | M8        | 115       | 34        | 50        |
| 40         | G1 1/2, G2, G2 1/2     | 58        | 40        | 132       | 40        | 129,5     | 33        | 1 1/2           | 21        | M12       | 130       | 30        | 70        |
| 50         | G1 1/2, G2, G2 1/2     | 58        | 40        | 132       | 40        | 129,5     | 339       | 2               | 21        | M12       | 130       | 30        | 70        |

## 2/2-Wege Coaxialventil 2/2-way coaxial valve

## Baureihe 270 -X / 271 -X / 272 -X Type 270 -X / 271 -X / 272 -X

### Typenschlüssel type code

Die Typenbezeichnung setzt sich zusammen aus:  
structure of the order specification:

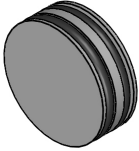
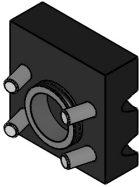
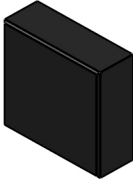


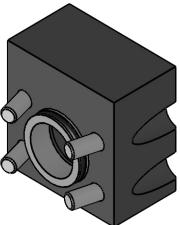
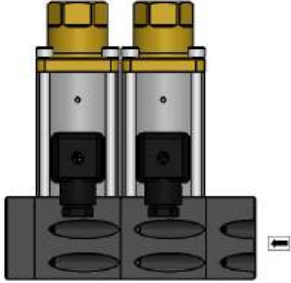
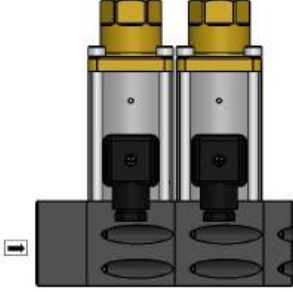
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Type 270 -X / 271 -X / 272 -X

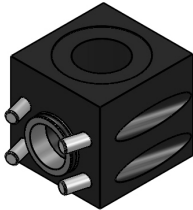
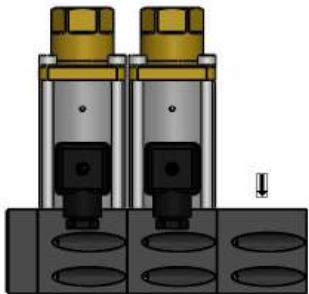
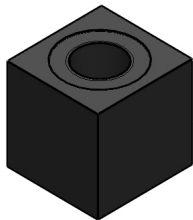
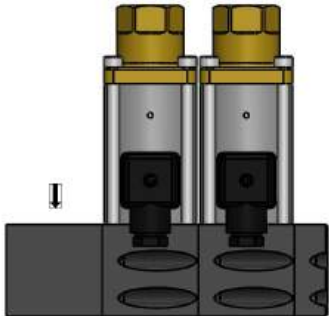
### Zubehör accessories

| Verbindungsstücke<br>connecting pieces                                            |                                       | Abschlussstücke<br>end covers                                                      |                                                 |
|-----------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|
|  | <b>Trennscheibe</b><br>isolation disc |   | <b>Abschlussstück rechts</b><br>end cover right |
|  | <b>Distanzstück</b><br>distance piece |  | <b>Abschlussstück links</b><br>end cover left   |

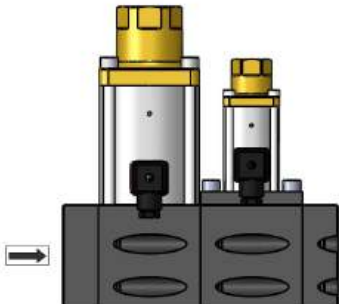
| Anschlussstücke<br>connection parts                                                 |                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | <b>Anschlussstück rechts</b><br>connection part right |  |
|  | <b>Anschlussstück links</b><br>connection part left   |  |

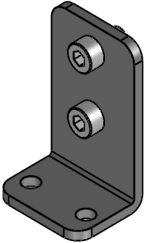
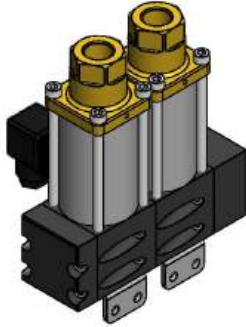
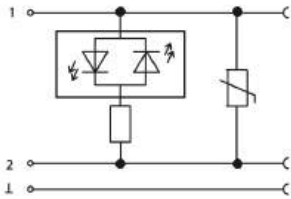
## 2/2-Wege Coaxialventil 2/2-way coaxial valve

## Baureihe 270 -X / 271 -X / 272 -X Type 270 -X / 271 -X / 272 -X

|                                                                                   |                                                                                                                             |                                                                                      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  | <p><b>Anschlusstück rechts</b><br/><b>Eckausführung G1</b><br/><b>nach oben</b><br/><i>connection part right 90° G1</i></p> |   |
|  | <p><b>Anschlusstück links</b><br/><b>Eckausführung G1</b><br/><b>nach oben</b><br/><i>connection part left 90° G1</i></p>   |  |

### Reduzieradapter reducing adapters

|                                                                                     |                                                                                                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | <p><b>Reduzieradapter</b><br/><i>reducing adapter from</i></p> <p>DN 15 auf / to DN 10<br/>DN 25 auf / to DN 10<br/>DN 25 auf / to DN 15<br/>DN 32 auf / to DN 20</p> |  |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

| <b>Weitere Optionen</b><br><i>further options</i>                                   |                                                                                                                                                                                                                               |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <b>Haltewinkel</b><br><i>mounting brackets</i><br><br><b>mechanische Option = 15</b><br><i>mechanical option = 15</i>                                                                                                         |    |
|   | <b>Klemmkasten</b><br><i>terminal box</i><br><br>Schutzart: IP 65<br><i>protection class: IP 65</i><br><br>PG11 -Verschraubung<br><i>PG11 -fitting</i><br><br><b>elektrische Option = 29</b><br><i>electrical option = 29</i> |  |
|  | <b>Gerätesteckdose mit LED</b><br><i>plug with LED</i><br><br><b>elektrische Option = 20</b><br><i>electrical option = 20</i>                                                                                                 |  |
|  | <b>Gerätesteckdose mit Leistungsabsenkung</b><br><b>24V DC</b><br><b>Bauform A</b><br><i>plug with power reduction form A</i><br><br><b>elektrische Option = 07</b><br><i>electrical option = 07</i>                          |  |
|  | <b>Gerätesteckdose M12x1</b><br><i>plug with M12x1</i>                                                                                                                                                                        |                                                                                      |

**Weitere Optionen und Zubehör stimmen wir gerne auf Ihre Anforderungen ab.**  
*We gladly coordinate further options and accessories with your requirements.*