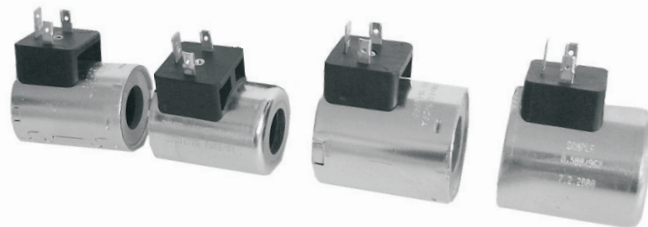


☐ Various designs regarding sizes and types

☐ Large selection of AC / DC voltages


## Ordering Code

| C                                                              |       |  | - |  |  | - |  |  | / | M |
|----------------------------------------------------------------|-------|--|---|--|--|---|--|--|---|---|
| <b>Electromagnet coil</b>                                      |       |  |   |  |  |   |  |  |   |   |
| <b>Coil design</b><br>(Size - according to the inner diameter) |       |  |   |  |  |   |  |  |   |   |
| Ø 13,4 mm                                                      | 14    |  |   |  |  |   |  |  |   |   |
| Ø 19,0 mm                                                      | 19    |  |   |  |  |   |  |  |   |   |
| Ø 19,0 mm                                                      | 20    |  |   |  |  |   |  |  |   |   |
| Ø 22,0 mm                                                      | 22    |  |   |  |  |   |  |  |   |   |
| Ø 31,0 mm                                                      | 31    |  |   |  |  |   |  |  |   |   |
| <b>Coil housing design version</b>                             |       |  |   |  |  |   |  |  |   |   |
| Scrolled housing                                               | A     |  |   |  |  |   |  |  |   |   |
| Drawn housing                                                  | B     |  |   |  |  |   |  |  |   |   |
| Long drawn housing                                             | C     |  |   |  |  |   |  |  |   |   |
| Pressed part                                                   | D     |  |   |  |  |   |  |  |   |   |
| <b>Rated voltage of solenoid</b><br>(at the coil terminals)    |       |  |   |  |  |   |  |  |   |   |
| 12 V DC                                                        | 01200 |  |   |  |  |   |  |  |   |   |
| 14 V DC                                                        | 01400 |  |   |  |  |   |  |  |   |   |
| 24 V DC                                                        | 02400 |  |   |  |  |   |  |  |   |   |
| 27 V DC                                                        | 02700 |  |   |  |  |   |  |  |   |   |
| 48 V DC                                                        | 04800 |  |   |  |  |   |  |  |   |   |
| 106 V DC                                                       | 10600 |  |   |  |  |   |  |  |   |   |
| 205 V DC                                                       | 20500 |  |   |  |  |   |  |  |   |   |
| 115 V 50 Hz                                                    | 11050 |  |   |  |  |   |  |  |   |   |
| 120 V 60 Hz                                                    | 12060 |  |   |  |  |   |  |  |   |   |
| 230 V 50 Hz                                                    | 23050 |  |   |  |  |   |  |  |   |   |
| <b>Type of solenoid coil</b><br>see the page 18                |       |  |   |  |  |   |  |  |   |   |
| E..                                                            |       |  |   |  |  |   |  |  |   |   |
| <b>Conductor design</b>                                        |       |  |   |  |  |   |  |  |   |   |
| Non-braided                                                    | N     |  |   |  |  |   |  |  |   |   |
| Braided                                                        | B     |  |   |  |  |   |  |  |   |   |
| * For loose conductors only                                    |       |  |   |  |  |   |  |  |   |   |
| <b>Special design</b>                                          |       |  |   |  |  |   |  |  |   |   |
| <b>Insulation design</b>                                       |       |  |   |  |  |   |  |  |   |   |
| No designation                                                 |       |  |   |  |  |   |  |  |   |   |
| Standard                                                       |       |  |   |  |  |   |  |  |   |   |
| Version CSA                                                    |       |  |   |  |  |   |  |  |   |   |
| <b>Surface treatment</b>                                       |       |  |   |  |  |   |  |  |   |   |
| ZnCr <sub>3</sub>                                              |       |  |   |  |  |   |  |  |   |   |
| Zn/Ni                                                          |       |  |   |  |  |   |  |  |   |   |
| <b>Detent type*</b>                                            |       |  |   |  |  |   |  |  |   |   |
| Without detent                                                 |       |  |   |  |  |   |  |  |   |   |
| With detent                                                    |       |  |   |  |  |   |  |  |   |   |
| *C31 coils only                                                |       |  |   |  |  |   |  |  |   |   |
| <b>Resistance</b>                                              |       |  |   |  |  |   |  |  |   |   |
| Coil resistance (Ω)                                            |       |  |   |  |  |   |  |  |   |   |
| See the table of preferred coils                               |       |  |   |  |  |   |  |  |   |   |
| <b>Lenght of conductors</b>                                    |       |  |   |  |  |   |  |  |   |   |
| Standard (300 mm)                                              |       |  |   |  |  |   |  |  |   |   |
| according to customer's requirements                           |       |  |   |  |  |   |  |  |   |   |
| * For loose conductors only                                    |       |  |   |  |  |   |  |  |   |   |

| Coils C14  |         |         |                                 |                                 |                                  |                                  |
|------------|---------|---------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|
| Valve type | Voltage | Current | Type of solenoid coil           |                                 |                                  |                                  |
|            |         |         | E1                              | E2                              | E3A                              | E4A                              |
| RPEK1      | 01200   | 1.83    | 16210300<br>C14B-01200E1-6.55NA | 24101600<br>C14B-01200E2-6.55NA | 28822500<br>C14B-01200E3A-6.55NA | 28822600<br>C14B-01200E4A-6.55NA |
|            | 02400   | 0.92    | 16210400<br>C14B-02400E1-26.2NA | 24101800<br>C14B-02400E2-26.2NA | 28886400<br>C14B-02400E3A-26.2NA | 28822400<br>C14B-02400E4A-26.2NA |
|            | 20500** | 0.08    | 16210500<br>C14B-20500E1-2476NA |                                 |                                  |                                  |

**Notes:** Only specified combinations are available in the table of preferred types. Other designs available at request.

\* Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.

\*\* Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

| Coils C19                                        |              |         |                                  |                                 |                                 |                                 |
|--------------------------------------------------|--------------|---------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Valve type1                                      | Voltage      | Current | Type of solenoid coil            |                                 |                                 |                                 |
|                                                  | [V]          | [A]     | E1                               | E2                              | E3                              | E4                              |
| RPE3-04<br>ROE3-04<br>ROE3-06<br>SR4E-B2         | 01200        | 2,45    | 27316600<br>C19B-01200E1-4,9NA   | 27631400<br>C19B-01200E2-4,9NA  | 27330200<br>C19B-01200E3-4,9NA  | 27631600<br>C19B-01200E4-4,9NA  |
|                                                  | 01400        | 1,66    | 27634100<br>C19B-01400E1-8,23NA  | 27634200<br>C19B-01400E2-8,23NA | 27634300<br>C19B-01400E3-8,23NA | 27634400<br>C19B-01400E4-8,23NA |
|                                                  | 02400        | 1,15    | 27316700<br>C19B-02400E1-20,8NA  | 27632400<br>C19B-02400E2-20,8NA | 27330300<br>C19B-02400E3-20,8NA | 27633200<br>C19B-02400E4-20,8NA |
|                                                  | 02700        | 0,89    | 27636100<br>C19B-02700E1-30,4NA  | 27639400<br>C19B-02700E2-30,4NA | 27641600<br>C19B-02700E3-30,4NA | 27641700<br>C19B-02700E4-30,4NA |
|                                                  | 04800        | 0,56    | 27825500<br>C19B-04800E1-86,9NA  |                                 |                                 |                                 |
|                                                  | 10600*       | 0,22    | 27642600<br>C19B-10600E1-494NA   |                                 |                                 |                                 |
|                                                  | 20500**      | 0,12    | 27382401<br>C19B-20500E1-1653NA  |                                 |                                 |                                 |
|                                                  | 12060        | 0,22    |                                  |                                 |                                 |                                 |
|                                                  | 23050        | 0,12    |                                  |                                 |                                 |                                 |
|                                                  | 01200<br>CSA | 2,41    | 24140700<br>C19A-01200E1-4,98NAH |                                 |                                 |                                 |
|                                                  | 02400<br>CSA | 1,15    | 24140800<br>C19A-02400E1-21NAH   |                                 |                                 |                                 |
|                                                  | 115500 CSA   | 0,24    |                                  |                                 |                                 |                                 |
|                                                  | 23000 CSA    | 0,14    |                                  |                                 |                                 |                                 |
|                                                  | 01200        | 1,7     | 27666300<br>C19B-01200E1-7,1NA   | 27666700<br>C19B-01200E2-7,1NA  | 27667000<br>C19B-01200E3-7,1NA  | 27667100<br>C19B-01200E4-7,1NA  |
|                                                  | 01400        | 1,46    | 27823600<br>C19B-01400E1-9,6NA   |                                 |                                 |                                 |
| SD2E-A2/H<br>SD2E-A3/H<br>SD2E-A4/H<br>SD3E-A2/H | 02400        | 0,83    | 27667700<br>C19B-02400E1-28,8NA  | 27667800<br>C19B-02400E2-28,8NA | 27667900<br>C19B-02400E3-28,8NA | 27668000<br>C19B-02400E4-28,8NA |
|                                                  | 10600*       | 0,2     | 27668400<br>C19B-10600E1-527NA   |                                 |                                 |                                 |
|                                                  | 20500**      | 0,1     | 27668700<br>C19B-20500E1-2065NA  |                                 |                                 |                                 |
|                                                  | 12060        | 0,21    |                                  |                                 |                                 |                                 |
|                                                  | 23050        | 0,11    |                                  |                                 |                                 |                                 |

| Coils C19                                        |                |                |                                  |                                     |                                     |                                  |                                  |
|--------------------------------------------------|----------------|----------------|----------------------------------|-------------------------------------|-------------------------------------|----------------------------------|----------------------------------|
| Valve type                                       | Voltage<br>[V] | Current<br>[A] | Type of solenoid coil            |                                     |                                     |                                  |                                  |
| RPE3-04<br>ROE3-04<br>ROE3-06<br>SR4E-B2         |                |                | E5                               | E8                                  | E9                                  | E12                              | E13                              |
|                                                  | 01200          | 2,45           | ----                             | 27632200<br>C19B-01200E8N300-4,9NA  | 27632100<br>C19B-01200E9N300-4,9NA  | 27351400<br>C19B-01200E12-4,9NA  | 27632000<br>C19B-01200E13-4,9NA  |
|                                                  | 01400          | 1,66           | ----                             | 27634800<br>C19B-01400E8N300-8,23NA | 27634900<br>C19B-01400E9N300-8,23NA | 27635000<br>C19B-01400E12-8,23NA | 27635100<br>C19B-01400E13-8,23NA |
|                                                  | 02400          | 1,15           | ----                             | 27633700<br>C19B-02400E8N300-20,8NA | 27633600<br>C19B-02400E9N300-20,8NA | 27330500<br>C19B-02400E12-20,8NA | 27633500<br>C19B-02400E13-20,8NA |
|                                                  | 02700          | 0,89           | ----                             | 27642200<br>C19B-02700E8N300-30,4NA | 27642300<br>C19B-02700E9N300-30,4NA | 27642400<br>C19B-02700E12-30,4NA | 27642500<br>C19B-02700E13-30,4NA |
|                                                  | 04800          | 0,56           | ----                             | ----                                | ----                                | ----                             | ----                             |
|                                                  | 10600*         | 0,22           | ----                             | ----                                | ----                                | ----                             | ----                             |
|                                                  | 20500**        | 0,12           | ----                             | ----                                | ----                                | ----                             | ----                             |
|                                                  | 12060          | 0,22           | 27642700<br>C19B-12060E5-494NA   | ----                                | ----                                | ----                             | ----                             |
|                                                  | 23050          | 0,12           | 27449900<br>C19B-23050E5-1653NA  | ----                                | ----                                | ----                             | ----                             |
|                                                  | 01200<br>CSA   | 2,41           | ----                             | ----                                | ----                                | ----                             | ----                             |
|                                                  | 02400<br>CSA   | 1,15           | ----                             | ----                                | ----                                | ----                             | ----                             |
|                                                  | 11550<br>CSA   | 0,24           | 24140900<br>C19A-11550E5-433NAH  | ----                                | ----                                | ----                             | ----                             |
|                                                  | 11550<br>CSA   | 0,24           | 24140900<br>C19A-11550E5-433NAH  | ----                                | ----                                | ----                             | ----                             |
|                                                  | 23050<br>CSA   | 0,12           | 24141000<br>C19A-23050E5-1653NAH | ----                                | ----                                | ----                             | ----                             |
| SD2E-A2/H<br>SD2E-A3/H<br>SD2E-A4/H<br>SD3E-A2/H | 01200          | 1,7            | ----                             | 27667300<br>C19B-01200E8N300-7,1NA  | 27667400<br>C19B-01200E9N300-7,1NA  | 27351200<br>C19B-01200E12-7,1NA  | 27667500<br>C19B-01200E13-7,1NA  |
|                                                  | 01400          | 1,46           |                                  |                                     | 27866600<br>C19B-01400E9N300-9,6NA  |                                  |                                  |
|                                                  | 02400          | 0,83           | ----                             | 27668200<br>C19B-02400E8N300-28,8NA | 27668300<br>C19B-02400E9N300-28,8NA | 27442600<br>C19B-02400E12-28,8NA | 27667600<br>C19B-02400E13-28,8NA |
|                                                  | 02700          | 0,77           | ----                             | ----                                | 27866400<br>C19B-02700E9N300-35NA   | ----                             | 30555500<br>C19B-02700E13-35NA   |
|                                                  | 10600*         | 0,2            | ----                             | ----                                | ----                                | ----                             | ----                             |
|                                                  | 20500**        | 0,1            | ----                             | ----                                | ----                                | ----                             | ----                             |
|                                                  | 12060          | 0,21           | 27668500<br>C19B-12060E5-527NA   | ----                                | ----                                | ----                             | ----                             |
|                                                  | 23050          | 0,11           | 27668600<br>C19B-23050E5-2065NA  | ----                                | ----                                | ----                             | ----                             |

**Coils C19**

| Type of solenoid coil                                       |                                |                |                                       |                                       |                                  |                                  |     |                                      |                                      |                                   |                                   |  |
|-------------------------------------------------------------|--------------------------------|----------------|---------------------------------------|---------------------------------------|----------------------------------|----------------------------------|-----|--------------------------------------|--------------------------------------|-----------------------------------|-----------------------------------|--|
| Valve type                                                  | Voltage<br>[V]                 | Current<br>[A] | E1                                    | E2                                    | E3                               | E4                               | E5  | E8                                   | E9                                   | E12                               | E13                               |  |
| SD2E-B2/S<br>SD2E-B3/S<br>SD2E-B4/S<br>SD3E-B2/S<br>SD1E-A2 | 01200                          | 2              | 27669700<br>C19B-01200E1-6NA          | 27669900<br>C19B-01200E2-6NA          | 27670000<br>C19B-01200E3-6NA     | 27670100<br>C19B-01200E4-6NA     | --- | 27670300<br>C19B-01200E8N300-6NA     | 27670400<br>C19B-01200E9N300-6NA     | 32829300<br>C19B-01200E12-6NA     | 29871300<br>C19B-01200E13-6NA     |  |
|                                                             | 01400                          | 1,66           | 27634100<br>C19B-01400E1-8,23NA       | 27634200<br>C19B-01400E2-8,23NA       | 27634300<br>C19B-01400E3-8,23NA  | 27634400<br>C19B-01400E4-8,23NA  | --- | 27634800<br>C19B-01400E8-8,23NA      | 27634900<br>C19B-01400E9-8,23NA      |                                   |                                   |  |
|                                                             | 02400                          | 0,93           | 27670600<br>C19B-02400E1-25,75NA      | 27670700<br>C19B-02400E2-25,75NA      | 27670800<br>C19B-02400E3-25,75NA | 27670900<br>C19B-02400E4-25,75NA | --- | 27671000<br>C19B-02400E8N300-25,75NA | 27671100<br>C19B-02400E9N300-25,75NA | 31330000<br>C19B-02400E12-25,75NA | 32801600<br>C19B-02400E13-25,75NA |  |
|                                                             | 02700                          | 0,89           | 27636100<br>C19B-02700E1-30,4NA       | 27639400<br>C19B-02700E2-30,4NA       | 27641600<br>C19B-02700E3-30,4NA  | 27641700<br>C19B-02700E4-30,4NA  | --- | 27642200<br>C19B-02700E8N300-30,4NA  | 27642300<br>C19B-02700E9N300-30,4NA  |                                   |                                   |  |
|                                                             | 10600*                         | 0,22           | 27642600<br>C19B-10600E1-494NA        | ---                                   | ---                              | ---                              | --- | ---                                  | ---                                  |                                   |                                   |  |
|                                                             | 20500**                        | 0,12           | 27382401<br>C19B-20500E1-1653NA       | ---                                   | ---                              | ---                              | --- | ---                                  | ---                                  |                                   |                                   |  |
|                                                             | 12060                          | 0,24           | ---                                   | ---                                   | ---                              | ---                              | --- | 27642700<br>C19B-12060E5-494NA       |                                      |                                   |                                   |  |
|                                                             | 23050                          | 0,12           | ---                                   | ---                                   | ---                              | ---                              | --- | 27449900<br>C19B-23050E5-1653NA      |                                      |                                   |                                   |  |
|                                                             | PRM2-04<br>with EL.<br>PRM7-04 | 01200          | max.<br>1,7                           | 16186100<br>C19A-01200E1-4,98NA/<br>M |                                  |                                  |     |                                      |                                      |                                   |                                   |  |
|                                                             | PRM2-04<br>without EL.         |                |                                       | 27821900<br>C19B-01200E1-4,68NA/<br>M |                                  |                                  |     |                                      |                                      |                                   |                                   |  |
| PRM2-04<br>with EL.<br>PRM7-04                              | 02400                          | max.<br>0,8    | 16186200<br>C19A-02400E1-21NA/M       |                                       |                                  |                                  |     |                                      |                                      |                                   |                                   |  |
| PRM2-04<br>without EL.                                      |                                |                | 27824200<br>C19B-02400E1-20,8NA/<br>M |                                       |                                  |                                  |     |                                      |                                      |                                   |                                   |  |
| PV/RM1-063<br>/S                                            | 01200                          | max.<br>1      | ---                                   |                                       |                                  | 23881200<br>C19B-01200E4-7,1NA/M | --- |                                      |                                      |                                   |                                   |  |

|  | Current | Type of solenoid coil |
|--|---------|-----------------------|
|  | Voltage |                       |

|          | [V]   | [A]          | E2                              | E4                              |     | E13                              |  |
|----------|-------|--------------|---------------------------------|---------------------------------|-----|----------------------------------|--|
| SR1P2-A2 |       |              |                                 |                                 |     |                                  |  |
| SR4P2-B2 | 01200 | max.<br>1    | 28145600<br>C19B-01200E2-6,5NA  | 28145800<br>C19B-01200E4-6,5NA  | --- | 29867600<br>C19B-01200E13-6,5NA  |  |
| SP4P2-B3 | 02400 | max.<br>0,75 | 27824300<br>C19B-02400E2-20,6NA | 27824400<br>C19B-02400E4-20,6NA | --- | 29868600<br>C19B-02400E13-20,6NA |  |

[illegible]

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

**Notes:** Only specified combinations are available in the table of preferred types. Other designs available at request.

| [V] | [A] | EW5 | *                                                                        |
|-----|-----|-----|--------------------------------------------------------------------------|
|     |     |     | Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz. |

|  |  |  |          |
|--|--|--|----------|
|  |  |  | 16205300 |
|--|--|--|----------|

**Notes:** Only specified combinations are available in the table of preferred types. Other designs available at request.

| Coils C22                                        |                |                |                                     |                                     |                                  |                                  |
|--------------------------------------------------|----------------|----------------|-------------------------------------|-------------------------------------|----------------------------------|----------------------------------|
| Valve type                                       | Voltage<br>[V] | Current<br>[A] | Type of solenoid coil               |                                     |                                  |                                  |
|                                                  |                |                | E8                                  | E9                                  | E12                              | E13                              |
| RPE3-06                                          | 01200          | 2,72           | 19961300<br>C22B-01200E8N300-4,41NA | 19961400<br>C22B-01200E9N300-4,41NA | 24930801<br>C22B-01200E12-4,41NA | 19695100<br>C22B-01200E13-4,41NA |
|                                                  | 01400          | 2,14           | 27662500<br>C22B-01400E8N300-6,55NA | 27662900<br>C22B-01400E9N300-6,55NA | 27663000<br>C22B-01400E12-6,55NA | 27663100<br>C22B-01400E13-6,55NA |
|                                                  | 02400          | 1,29           | 19961000<br>C22B-02400E8N300-18,6NA | 19961700<br>C22B-02400E9N300-18,6NA | 19695900<br>C22B-02400E12-18,6NA | 19696000<br>C22B-02400E13-18,6NA |
|                                                  | 02700          | 1,07           | 27662700<br>C22B-02700E8N300-25,3NA | 27662800<br>C22B-02700E9N300-25,3NA | 27663200<br>C22B-02700E12-25,3NA | 27663300<br>C22B-02700E13-25,3NA |
|                                                  |                |                | 19963200                            | 19963400                            | 18815601                         | 19909000                         |
| SD2E-B2/H<br>SD2E-B3/H<br>SD2E-B4/H<br>SD3E-B2/H | 01200          | 1,83           | C22B-01200E8N300-6,55NA             | C22B-01200E9N300-6,55NA             | C22B-01200E12-6,55NA             | C22B-01200E13-6,55NA             |
|                                                  | 02400          | 0,95           | 19963500<br>C22B-02400E8N300-25,3NA | 18069900<br>C22B-02400E9N300-25,3NA | 19909101<br>C22B-02400E12-25,3NA | 19909200<br>C22B-02400E13-25,3NA |

**Notes:** Only specified combinations are available in the table of preferred types. Other designs available at request.

\* Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.

\*\* Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

| Coils C22  |           |         |                                    |     |                                     |                                    |
|------------|-----------|---------|------------------------------------|-----|-------------------------------------|------------------------------------|
| Valve type | Voltage   | Current | Type of solenoid coil              |     |                                     |                                    |
|            | [V]       | [A]     | E1                                 | E3A | EW1                                 | EW2                                |
| RPEA3-06   | 02400     | 0,33    | ***                                | *** | 24014000<br>C22C-02400EW1-72NA/M    | ***                                |
|            | 01200     | 2,72    | ***                                | *** | 16205100<br>C22C-01200EW1-4,54NA/M  | 16205400<br>C22C-01200EW2-4,54NA/M |
| RPEW4-06   | 02400     | 1,26    | ***                                | *** | 16205000<br>C22C-02400EW1-18,2NA/M  | 16205500<br>C22C-02400EW2-18,2NA/M |
|            | 10600     | 0,27    | ***                                | *** | 24154700<br>C22C-01200EW1-4,54NAH/M | ***                                |
|            | 01200 CSA | 2,64    | ***                                | *** | 24154900<br>C22C-02400EW1-18,2NAH/M | ***                                |
|            | 01200     | max 2,5 | 16186400<br>C22A-01200E1-2,33NA    | *** | ***                                 | ***                                |
| PRM2-06    | 01200     | max 1,6 | 16187500***<br>C22A-01200E1-5,15NA | *** | ***                                 | ***                                |
|            | 02400     | max 1   | 16186800<br>C22A-02400E1-13,4NA    | *** | ***                                 | ***                                |
|            | 01200     | max 2,5 | 16186400<br>C22A-01200E1-2,33NA    | *** | ***                                 | ***                                |
| PRM7-06    | 02400     | max 1   | 16186800<br>C22A-02400E1-13,4NA    | *** | ***                                 | ***                                |
|            | 01200     | max 1,5 | 24157900<br>C22B-01200E3A-5NA      | *** | ***                                 | ***                                |

**Notes:** Only specified combinations are available in the table of preferred types. Other designs available at request.

\* Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.

\*\* Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

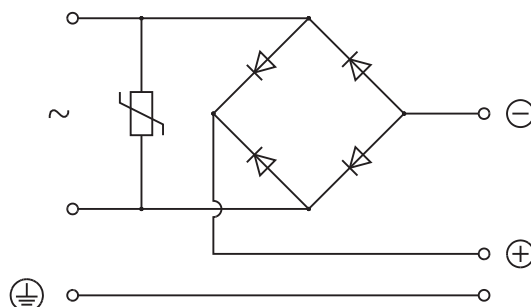
\*\*\* Input signal level for 12V-electronics.

| Coils C31          |                |                |                                   |                                 |                                 |                                 |                                 |                                     |                                     |                                    |
|--------------------|----------------|----------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------------------|------------------------------------|
| Valve type         | Voltage<br>[V] | Current<br>[A] | Type of solenoid coil             |                                 |                                 |                                 |                                 |                                     |                                     |                                    |
|                    |                |                | E1                                | E2                              | E3                              | E4                              | E5                              | E8                                  | E9                                  | EW1                                |
| RPE4-10            | 01200          | 3,17           | 16195700<br>C31A-01200E1-3,78FA   | 27660800<br>C31A-01200E2-3,78FA | 16197000<br>C31A-01200E3-3,78FA | 16196900<br>C31A-01200E4-3,78FA | ---                             | 16198800<br>C31A-01200E8N300-3,78FA | 23910200<br>C31A-01200E9N300-3,78FA | ---                                |
|                    | 01400          | 2,98           | 16195900<br>C31A-01400E1-4,73FA   | 27660900<br>C31A-01400E2-4,73FA | 27661100<br>C31A-01400E3-4,73FA | 27661200<br>C31A-01400E4-4,73FA | ---                             | 27661500<br>C31A-01400E8N300-4,73FA | 27661600<br>C31A-01400E9N300-4,73FA | ---                                |
|                    | 02400          | 1,73           | 16196100<br>C31A-02400E1-13,9FA   | 23896000<br>C31A-02400E2-13,9FA | 16197200<br>C31A-02400E3-13,9FA | 16197100<br>C31A-02400E4-13,9FA | ---                             | 23904500<br>C31A-02400E8N300-13,9FA | 23910300<br>C31A-02400E9N300-13,9FA | ---                                |
|                    | 02700          | 1,52           | 16196300<br>C31A-02700E1-17,8FA   | 27661000<br>C31A-02700E2-17,8FA | 27661300<br>C31A-02700E3-17,8FA | 27661400<br>C31A-02700E4-17,8FA | ---                             | 27661700<br>C31A-02700E8N300-17,8FA | 27662000<br>C31A-02700E9N300-17,8FA | ---                                |
|                    | 10600*         | 0,38           | 23898000<br>C31A-10600E1-276FA    | ---                             | ---                             | ---                             | ---                             | ---                                 | ---                                 | ---                                |
|                    | 20500**        | 0,2            | 16196700<br>C31A-20500E1-1027FA   | ---                             | ---                             | ---                             | ---                             | ---                                 | ---                                 | ---                                |
|                    | 12060          | 0,38           | ---                               | ---                             | ---                             | ---                             | 17366300<br>C31A-12060E5-276FA  | ---                                 | ---                                 | ---                                |
|                    | 23050          | 0,2            | ---                               | ---                             | ---                             | ---                             | 16195100<br>C31A-23050E5-1027FA | ---                                 | ---                                 | ---                                |
|                    | 01200          | 3,17           | ---                               | ---                             | ---                             | ---                             | ---                             | ---                                 | ---                                 | 24172000<br>C31A-01200EW1-3,78FA/M |
|                    | 02400          | 1,73           | ---                               | ---                             | ---                             | ---                             | ---                             | ---                                 | ---                                 | 24172200<br>C31A-02400EW1-13,9FA/M |
| PRM6-10<br>PRM7-10 | 16000          | 0,38           | ---                               | ---                             | ---                             | ---                             | ---                             | ---                                 | ---                                 | 24172400<br>C31A-10600EW1-276FA/M  |
|                    | 01200          | max 1,9        | 16195600<br>C31A-01200E1-4,73FA   | ---                             | ---                             | ---                             | ---                             | ---                                 | ---                                 | ---                                |
|                    | 02400          | max 1,1        | 16196200<br>C31A-02400E1-13,9FA/M | ---                             | ---                             | ---                             | ---                             | ---                                 | ---                                 | ---                                |

Notes: Only specified combinations are available in the table of preferred types. Other designs available at request.  
\* Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.  
\*\* Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

## Rectifier Connection in the Coil with "E5" Connector

In-built bridge rectifier for the maximum output voltage 253 V<sub>eff</sub>  
Voltage frequency 50 – 60 Hz. Varistor for 275 V<sub>eff</sub>



## Dimensions of Coils C14

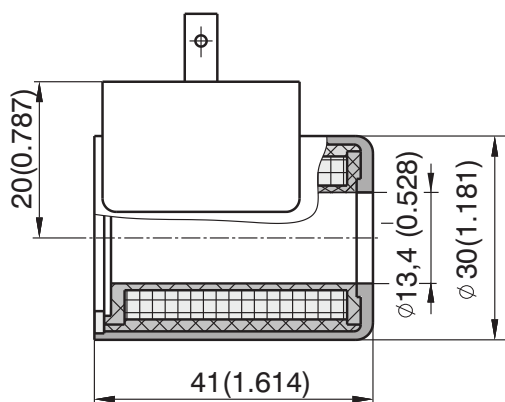
Dimensions in millimeters (inches)

### Design version - B

#### Connector design

**E1** (Connector EN 175301-803-A)

Protection degree IP65

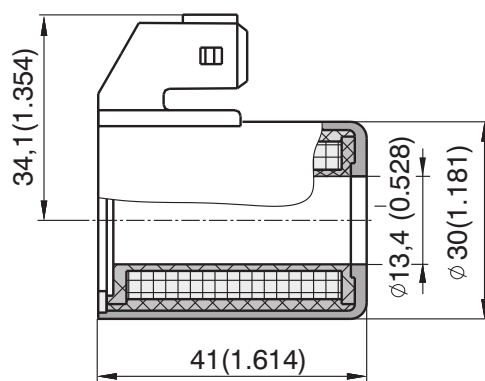


#### Connector design

**E3A** (Connector AMP-Junior-Timer - (2-pins; male )

**E4A** (E3A with quenching diode)

Protection degree IP67



# Dimensions of Coils C19

Dimensions in millimeters (inches)

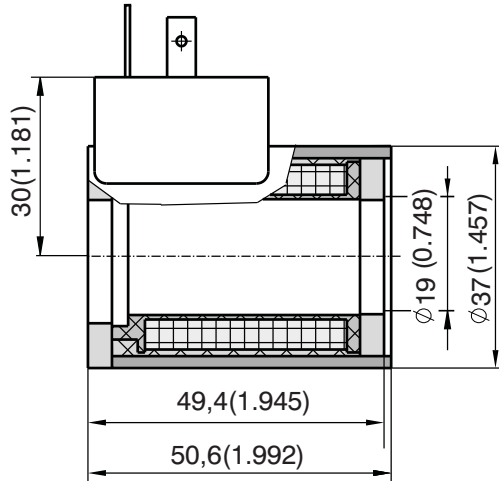
## Design version - A

### Connector design

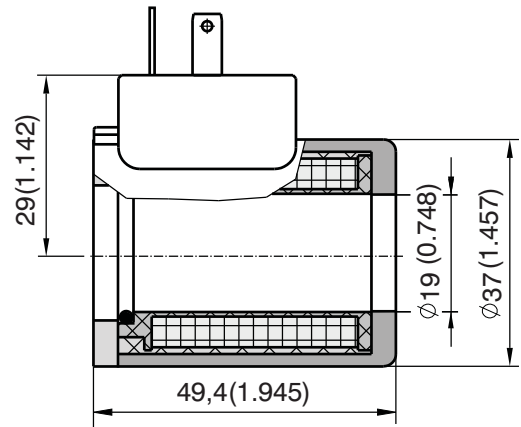
**E1** (Connector EN 175301-803-A)

**E2** (E1 with quenching diode)

Protection degree IP65



## Design version - B



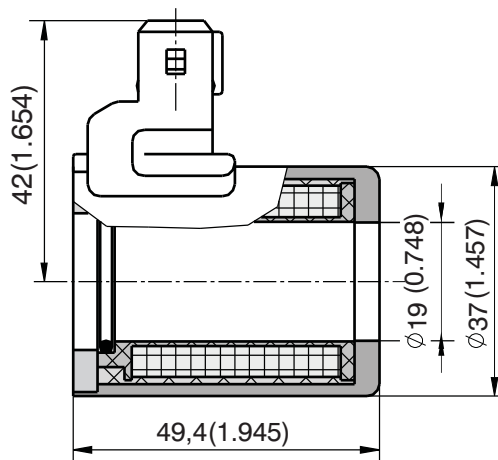
## Design version - B

### Connector design

**E3** (Connector AMP-Junior-Timer - (2-pins; male )

**E4** (E3 with quenching diode)

Protection degree IP67



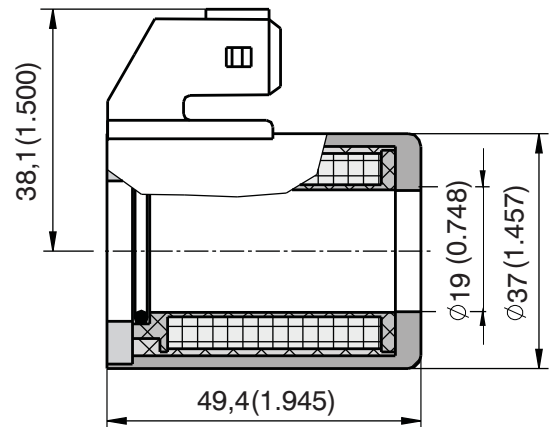
## Design version - B

### Connector design

**E3A** (Connector AMP-Junior-Timer - (2-pins; male )

**E4A** (E3A with quenching diode)

Protection degree IP67



# Dimensions of Coils C19

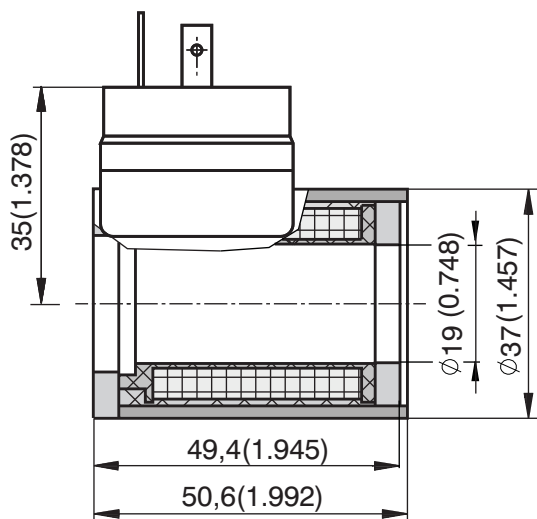
Dimensions in millimeters (inches)

## Design version - A

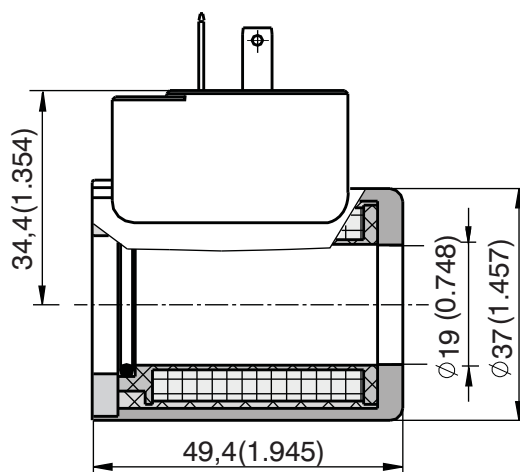
### Connector design

**E5** (Connector EN 175301-803-A with integrated rectifier)

Protection degree IP67



## Design version - B

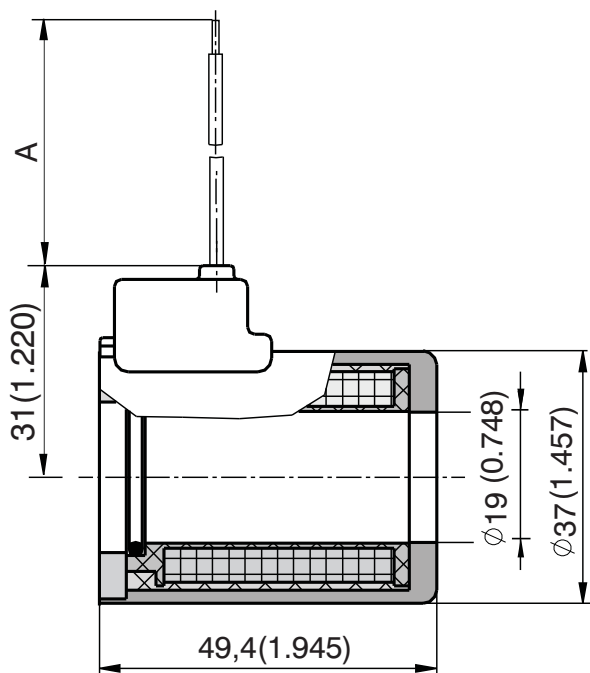


## Design version - B

### Connector design

**E8** (Loose conductors (two insulated cables))

**E9** (E8 with quenching diode)



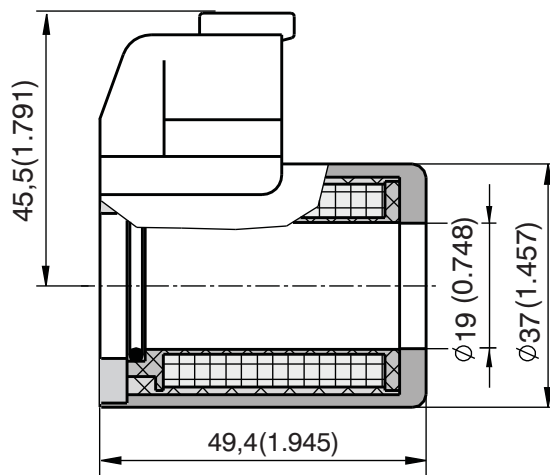
## Design version - B

### Connector design

**E12** (Deutsch DT04-2P)

**E13** (E12 with quenching diode)

Protection degree IP67



### Note:

A = Standard 300 mm, other sizes on demand

## Dimensions of Coils C20

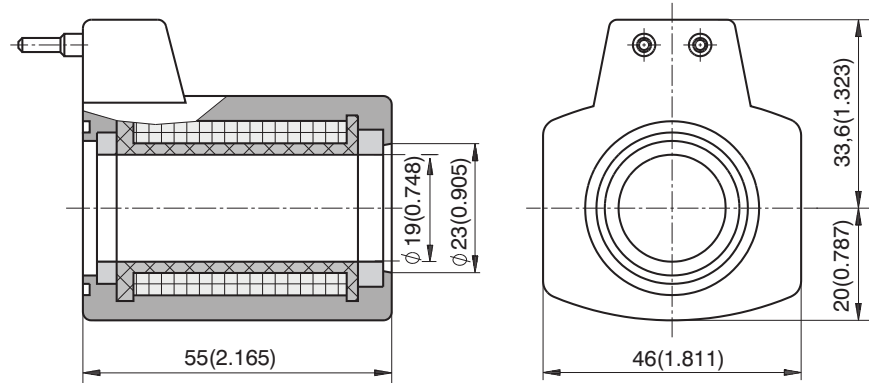
Dimensions in millimeters (inches)

### Design version - D

#### Connector design

EW5 - (Wirebox)

Protection degree IP65



## Dimensions of Coils C22

Dimensions in millimeters (inches)

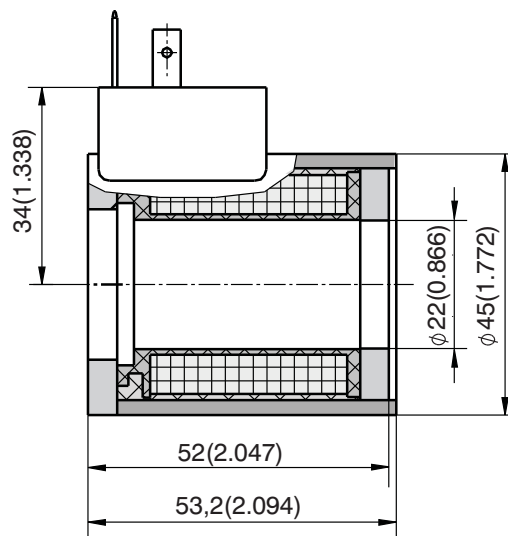
### Design version - A

#### Connector design

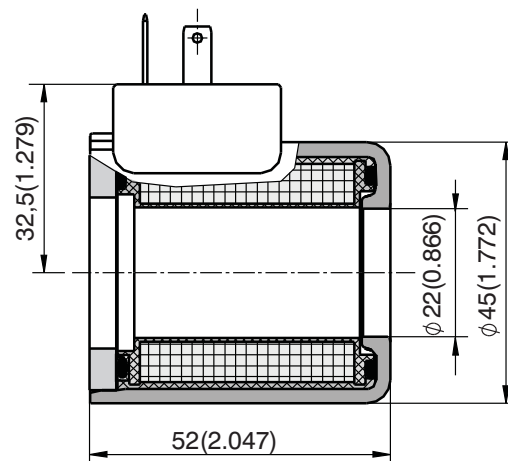
E1 (E1 = Connector EN 175301-803-A)

E2 (E2 = E1 with quenching diode)

Protection degree IP65



### Design version - B



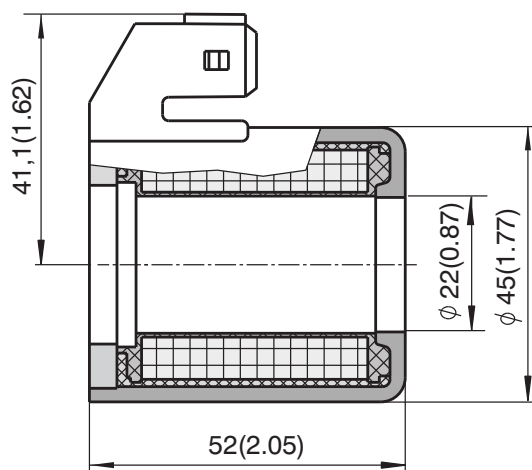
## Design version - B

### Connector design

**E3A** (Axial connector AMP Junior Timer (2 pins; male))

**E4A** (E3A with quenching diode)

Protection degree IP67

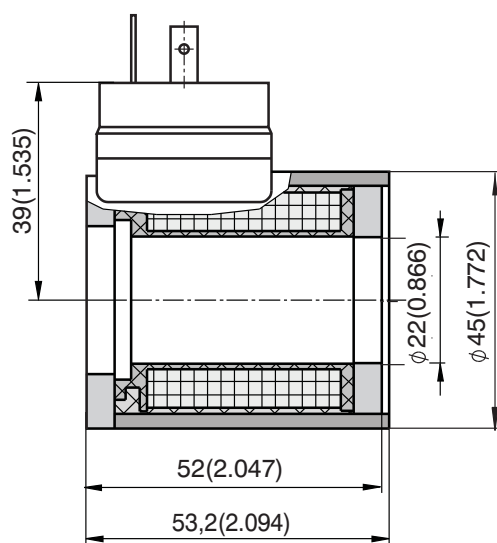


## Design version - A

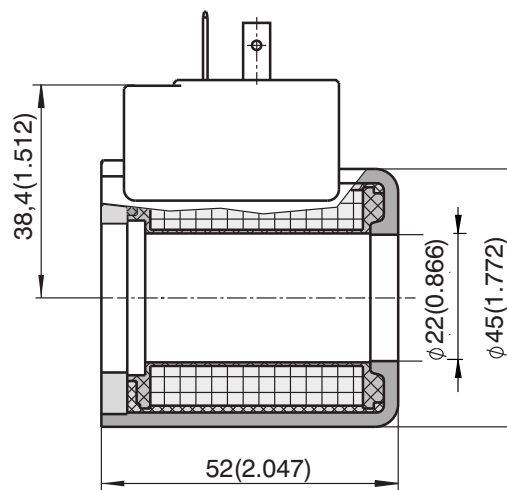
### Connector design

**E5** (Connector EN 175301-803-A with integrated rectifier)

Protection degree IP65



## Design version - B



# Dimensions of Coils C22

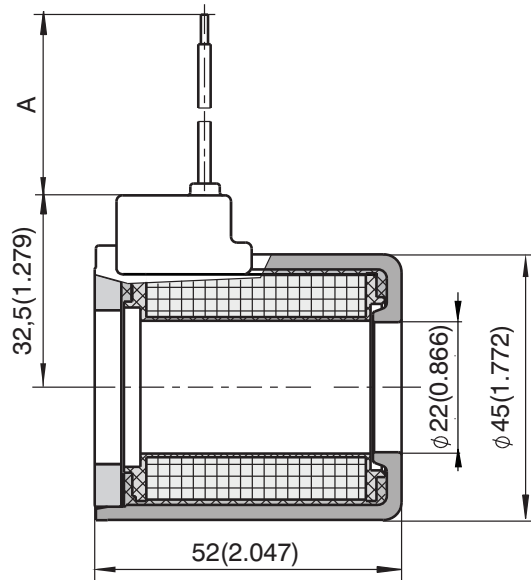
Dimensions in millimeters (inches)

## Design version - B

### Connector design

**E8** ( Loose conductors (two insulated cables))

**E9** (E8 with quenching diode)



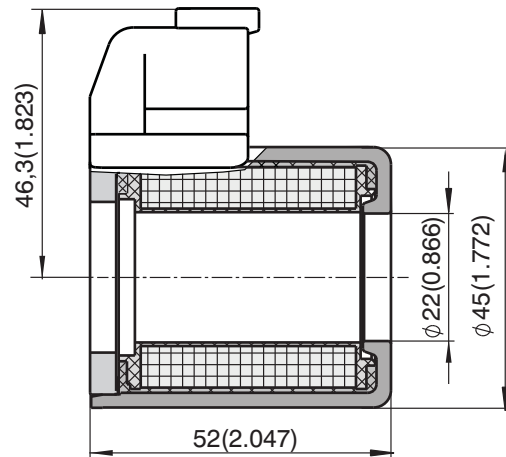
## Design version - B

### Connector design

**E12** (Deutsch DT04-2P)

**E13** (E12 with quenching diode)

Protection degree IP67



### Note:

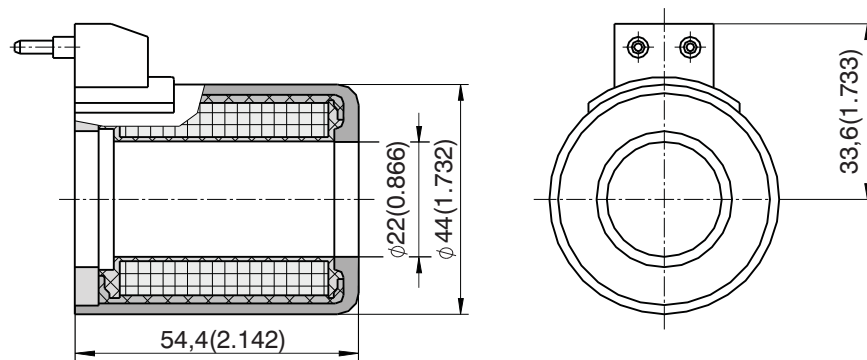
A = Standard 300 mm, other sizes on demand

## Design version - C

### Connector design

**EW1** - (wirebox)

**EW2** - (E3 with quenching diode)



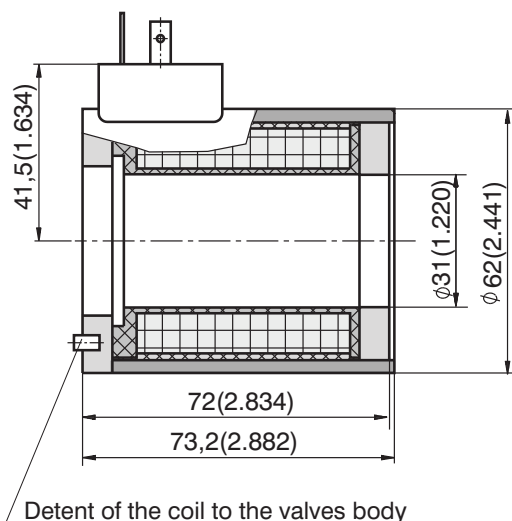
## Design version - A

### Connector design

**E1** (Connector EN 175301-803-A)

**E2** (E1 with quenching diode)

Protection degree IP65



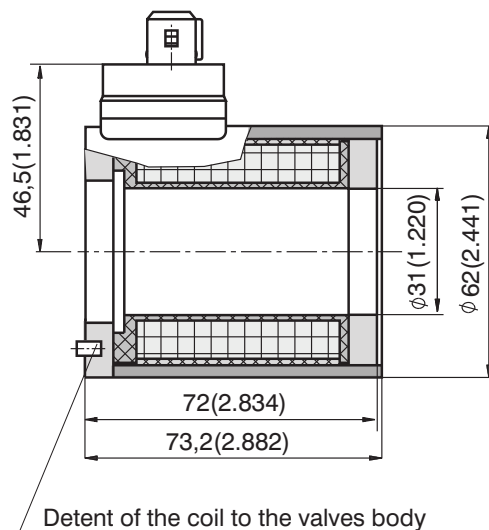
## Design version - A

### Connector design

**E3** (Connector AMP-Junior-Timer - (2-pins; male )

**E4** ( E3 with quenching diode)

Protection degree IP67

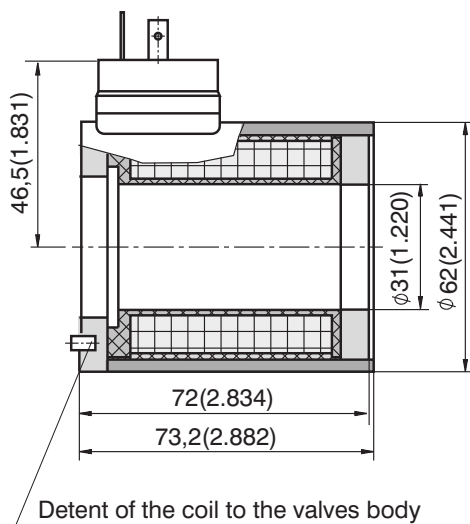


## Design version - A

### Connector design

**E5** (Connector EN 175301-803-A with integrated rectifier)

Protection degree IP65

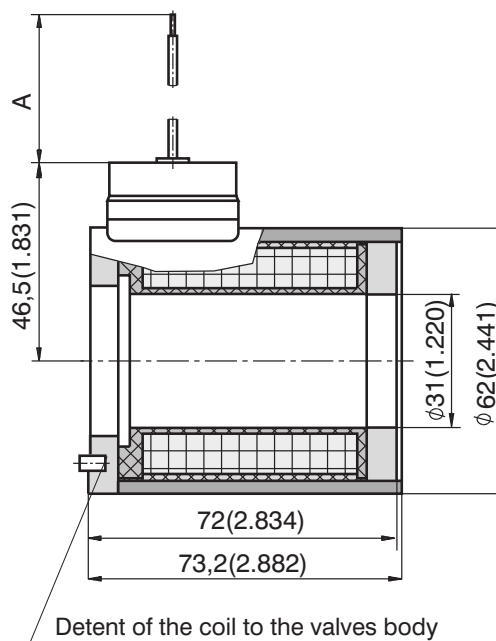


## Design version - A

### Connector design

**E8** (Loose conductors (two insulated cables))

**E9** (E8 with quenching diode)



### Note:

A = Standard 300 mm, other sizes on demand

## Dimension of Coils C31

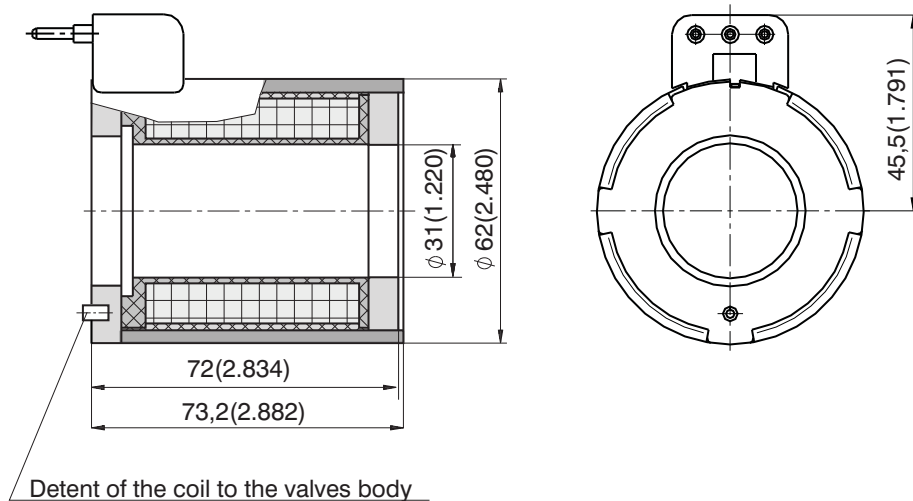
Dimensions in millimeters (inches)

### Design version - A

#### Connector design

EW1 - (Wirebox)

Protection degree IP65



## Identification and Survey of the Offered Connectors

| Connector | Connector description                                                      |
|-----------|----------------------------------------------------------------------------|
| E1        | Connector EN 175301-803-A                                                  |
| E2        | Connector E1 with quenching diode                                          |
| E3        | Connector AMP Junior Timer (2 pins; male)                                  |
| E4        | Connector E3 with quenching diode                                          |
| E3A       | Axial connector AMP Junior Timer (2 pins; male)                            |
| E4A       | Connector E3A with quenching diode                                         |
| E5        | Connector EN 175301-803-A with integrated rectifier                        |
| E51       | Connector EN 175301-803-A with integrated rectifier and fast disconnection |
| E6        | Connector Kostal                                                           |
| E7        | Connector E6 with quenching diode                                          |
| E8        | Loose conductors (two insulated cables)                                    |
| E9        | E8 with quenching diode                                                    |
| E10       | Loose conductors and Deutsch connector DT04-2P (2 pins; male)              |
| E11       | E10 with quenching diode                                                   |
| E12       | Connector Deutsch DT04-2P (2 pins; male)                                   |
| E13       | Connector E12 with quenching diode                                         |
| E14       | Connector Spade                                                            |
| E15       | Connector E14 with quenching diode                                         |
| E16       | Loose conductors and Metri-Pack connector Series 150 (2 pins; male)        |
| E17       | Connector E16 with quenching diode                                         |
| E18       | Loose conductors and Weather-Pack connector (2 pins; male)                 |
| E19       | Connector E18 with quenching diode                                         |
| E20       | Loose conductors and Weather-Pack connector (2 pins; male)                 |
| E21       | Connector E20 with quenching diode                                         |
| E22       | Loose conductors and Econoseal connector (2 pins; male)                    |
| E23       | Connector E22 with quenching diode                                         |
| E24       | Loose conductors and AMP Junior Timer (2 pins; male)                       |
| E25       | Connector E24 with quenching diode                                         |
| EW1       | Connector for Wirebox                                                      |
| EW2       | Connector EW1 with quenching diode                                         |
| EW5       | Connector for Wirebox (AC coil)                                            |

## Survey of Available Connectors and Coils

| Connector | C14B | C19A | C19B | C20D | C22A | C22B | C22C | C31A |
|-----------|------|------|------|------|------|------|------|------|
| E1        | X    | X    | X    |      | X    | X    |      | X    |
| E2        | X    | X    | X    |      | X    | X    |      | X    |
| E3        |      |      | X    |      |      |      |      | X    |
| E3A       |      |      | X    |      |      | X    |      |      |
| E4        |      |      | X    |      |      |      |      | X    |
| E4A       |      |      | X    |      |      | X    |      |      |
| E5        |      |      | X    |      |      | X    |      | X    |
| E51       |      |      | X    |      |      | X    |      | X    |
| E6        |      |      |      |      |      |      |      |      |
| E7        |      |      |      |      |      |      |      |      |
| E8        |      |      | X    |      |      | X    |      | X    |
| E9        |      |      | X    |      |      | X    |      | X    |
| E10       |      |      | X    |      |      | X    |      | X    |
| E11       |      |      | X    |      |      | X    |      | X    |
| E12       |      |      | X    |      |      | X    |      |      |
| E13       |      |      | X    |      |      | X    |      |      |
| E14       |      |      |      |      |      |      |      |      |
| E15       |      |      |      |      |      |      |      |      |
| E16       |      |      | X    |      |      | X    |      | X    |
| E17       |      |      | X    |      |      | X    |      | X    |
| E18       |      |      | X    |      |      | X    |      | X    |
| E19       |      |      | X    |      |      | X    |      | X    |
| E20       |      |      | X    |      |      | X    |      | X    |
| E21       |      |      | X    |      |      | X    |      | X    |
| E22       |      |      | X    |      |      | X    |      | X    |
| E23       |      |      | X    |      |      | X    |      | X    |
| E24       |      |      | X    |      |      | X    |      | X    |
| E25       |      |      | X    |      |      | X    |      | X    |
| EW1       |      |      |      |      |      |      | X    | X    |
| EW2       |      |      |      |      |      |      | X    | X    |
| EW5       |      |      |      | X    |      |      |      |      |

For all leaded wires (E8 a E9) or with a combination with connector (E10; E11; E16; E17; E18; E19; E20; E21; E23; E24 and E25) can be protected with braiding (**B**), see ordering code.

### Caution!

- The packaging foil can be recycled.
- All stated data serve for the product description only and in no case should be understood as features guaranteed in terms of law.

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