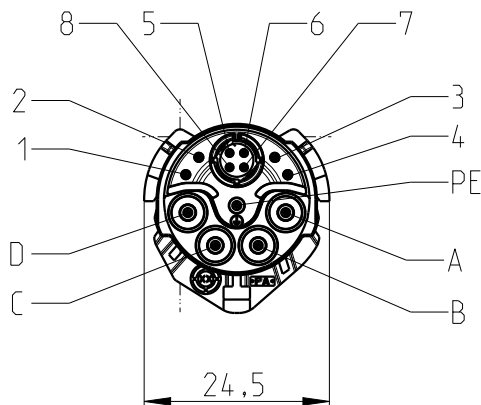
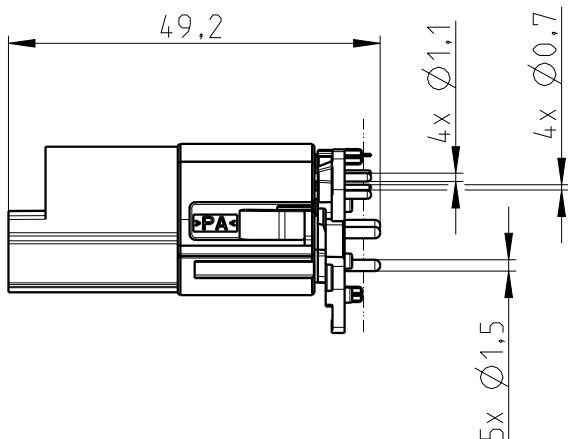


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| Mechanical data       |                                      | Material           |                    | article interfaces with<br>order number:<br>1524754<br>contact carrier |              |
|-----------------------|--------------------------------------|--------------------|--------------------|------------------------------------------------------------------------|--------------|
| no. of poles / coding | 4+4+4+PE / pin                       | housing / surface  | -                  |                                                                        |              |
| contact termination   | wave soldering                       | contact carrier    | HTPA / PA          |                                                                        |              |
| contact-Ø             | 4x0.8 / 4x1.0 / 5x2.0                | colour             | black              |                                                                        |              |
|                       |                                      | wire               | -                  | name                                                                   | order number |
| temperature range     | -40°C till +115°C                    | PCB CTI            | >600               |                                                                        |              |
| protection class      | IP65/67, mounted<br>IP66/68, mounted | cross section      | -                  | housing                                                                | 1555725      |
| mating cycles         | 100                                  | contacts / surface | CuZn / gold-plated | extender                                                               | 1555726      |
| locking system        | -                                    | sealing gasket     | -                  |                                                                        |              |
|                       |                                      | potting            | -                  |                                                                        |              |



| pole           | rated voltage acc.<br>DIN EN 60664-1:2008 | rated surge voltage acc.<br>DIN EN 60664-1:2008 | pollution degree acc.<br>DIN EN 61984:2009 |
|----------------|-------------------------------------------|-------------------------------------------------|--------------------------------------------|
| connector plug |                                           |                                                 |                                            |
| A - D          | ±400VDC (800VDC)                          | 4000V / 6000V                                   | 2                                          |
| 1 - 4          | 60VDC                                     | 800V / 1500V                                    | 2                                          |
| 5 - 8          | 50V                                       | 500V                                            | 2                                          |
| PCB            |                                           |                                                 |                                            |
| 5 - 8          | 50V                                       | 500V                                            | 1                                          |
| 5 - 8          | 10V                                       | 500V                                            | 2                                          |

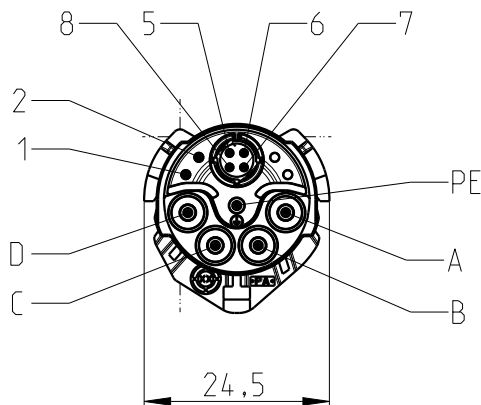
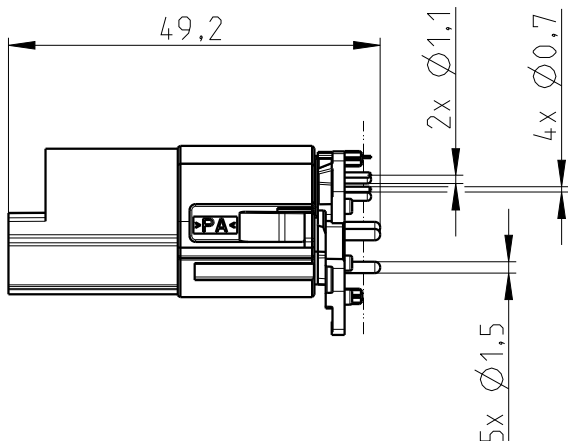
The specified electrical and mechanical data require a correctly locked connector pair.  
If the connector plug is not locked and there is a risk of contamination, the connector plug must be sealed with a protective cap >IP54.

| Electrical data                                     |                                                                                                 |                            |                                |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------|--------------------------------|
| rated current with<br>max. connection cross-section | 2mm contact max. 30A<br>1mm contact max. 8A<br>0.8mm contact max. 3.6A<br>T <sub>u</sub> = 25°C | overvoltage category       | II acc.<br>DIN EN 60664-1:2008 |
|                                                     |                                                                                                 | altitude                   | till 2000m                     |
| rated voltage                                       | see table                                                                                       | contact resistance         | <3mΩ                           |
| rated surge voltage                                 | see table                                                                                       | pollution degree           | see table                      |
| general tolerance<br>acc. to DIN ISO 2768-c         |                                                                                                 | technical changes reserved | scale:<br>1:1                  |
| date                                                | name                                                                                            | M23 Hybrid PCB             |                                |
| create                                              | 2025-06-25<br>cosa01                                                                            |                            |                                |
| chk.                                                | 2025-06-25<br>cobm04                                                                            |                            |                                |
|                                                     |                                                                                                 | order-no.:                 | 1524754                        |
|                                                     |                                                                                                 | article designation:       | SH-8EPC5-PCB-L4                |
|                                                     |                                                                                                 | doc.-no.:                  | 097788531                      |
|                                                     |                                                                                                 |                            | page: 1<br>of: 6               |

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| Mechanical data       |                                      | Material           |                    | article interfaces with<br>order number:<br>1835953<br>contact carrier |              |
|-----------------------|--------------------------------------|--------------------|--------------------|------------------------------------------------------------------------|--------------|
| no. of poles / coding | 4+4+4+PE / pin                       | housing / surface  | -                  |                                                                        |              |
| contact termination   | wave soldering                       | contact carrier    | HTPA / PA          |                                                                        |              |
| contact-Ø             | 4x0.8 / 2x1.0 / 5x2.0                | colour             | black              |                                                                        |              |
|                       |                                      | wire               | -                  | name                                                                   | order number |
| temperature range     | -40°C till +115°C                    | PCB CTI            | >600               |                                                                        |              |
| protection class      | IP65/67, mounted<br>IP66/68, mounted | cross section      | -                  | housing                                                                | 1555725      |
| mating cycles         | 100                                  | contacts / surface | CuZn / gold-plated | extender                                                               | 1555726      |
| locking system        | -                                    | sealing gasket     | -                  |                                                                        |              |
|                       |                                      | potting            | -                  |                                                                        |              |



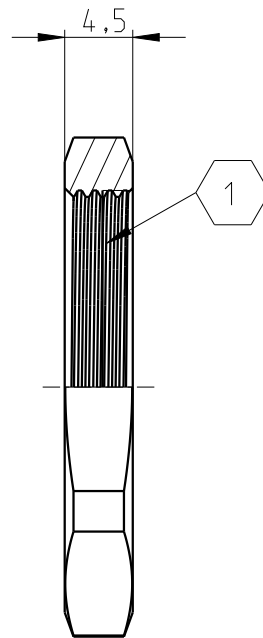
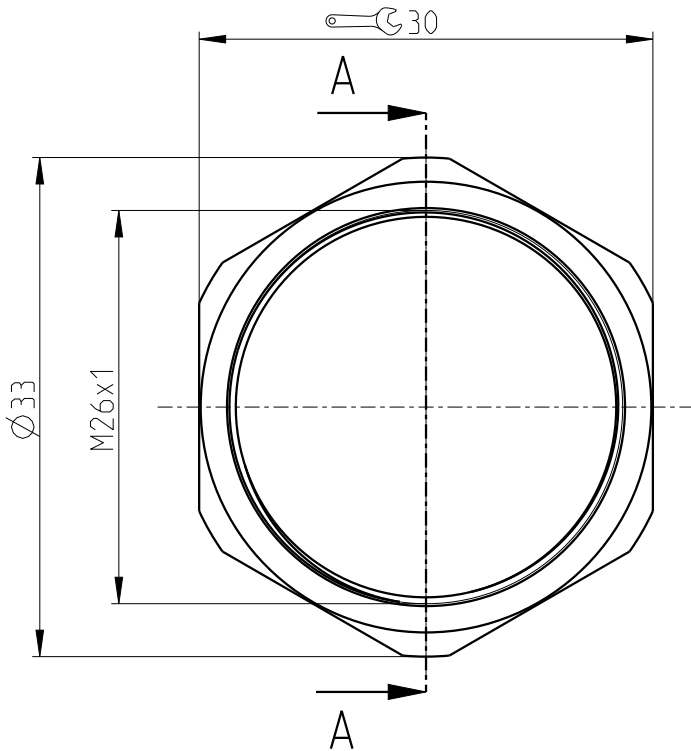
| pole           | rated voltage acc.<br>DIN EN 60664-1:2008 | rated surge voltage acc.<br>DIN EN 60664-1:2008 | pollution degree acc.<br>DIN EN 61984:2009 |
|----------------|-------------------------------------------|-------------------------------------------------|--------------------------------------------|
| connector plug |                                           |                                                 |                                            |
| A - D          | ±400VDC (800VDC)                          | 4000V / 6000V                                   | 2                                          |
| 1 - 4          | 60VDC                                     | 800V / 1500V                                    | 2                                          |
| 5 - 8          | 50V                                       | 500V                                            | 2                                          |
| PCB            |                                           |                                                 |                                            |
| 5 - 8          | 50V                                       | 500V                                            | 1                                          |
| 5 - 8          | 10V                                       | 500V                                            | 2                                          |

The specified electrical and mechanical data require a correctly locked connector pair.  
If the connector plug is not locked and there is a risk of contamination, the connector plug must be sealed with a protective cap >IP54.

| Electrical data                                     |                                                                                                 |                            |                                |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------|--------------------------------|
| rated current with<br>max. connection cross-section | 2mm contact max. 30A<br>1mm contact max. 8A<br>0.8mm contact max. 3.6A<br>T <sub>u</sub> = 25°C | overvoltage category       | II acc.<br>DIN EN 60664-1:2008 |
|                                                     |                                                                                                 | altitude                   | till 2000m                     |
| rated voltage                                       | see table                                                                                       | contact resistance         | <3mΩ                           |
| rated surge voltage                                 | see table                                                                                       | pollution degree           | see table                      |
| general tolerance<br>acc. to DIN ISO 2768-c         |                                                                                                 | technical changes reserved | Index 0 / 2025-06-25           |
|                                                     | Datum                                                                                           | Name                       | scale:<br>1:1                  |
| create                                              | 2025-06-25                                                                                      | cosa01                     | page: 2<br>of: 6               |
| chk.                                                | 2025-06-25                                                                                      | cobm04                     |                                |
|                                                     |                                                                                                 |                            |                                |
|                                                     |                                                                                                 | order-no.:                 | 1835953                        |
|                                                     |                                                                                                 | article designation:       | SH-8EPC5-PCB-L4-ABCD-PE-12     |
|                                                     |                                                                                                 | doc.-no.:                  | 097788531                      |

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A - A  
2:1

|                                                                  |              |
|------------------------------------------------------------------|--------------|
| article interfaces with<br>order number:<br>1555723<br>M26x1 nut |              |
| name                                                             | order number |
| housing                                                          | 1555725      |

dim-var. DIN ISO 2768-c



coating on internal thread:  
Scotch-Grip 2353-blue / breakaway torque 10Nm

|        |            |        |
|--------|------------|--------|
|        | date       | name   |
| create | 2025-06-25 | cosa01 |

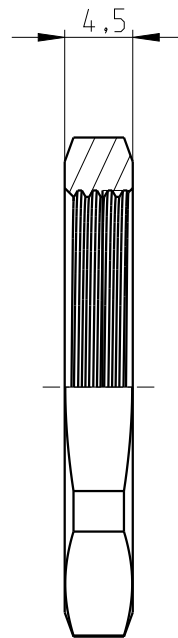
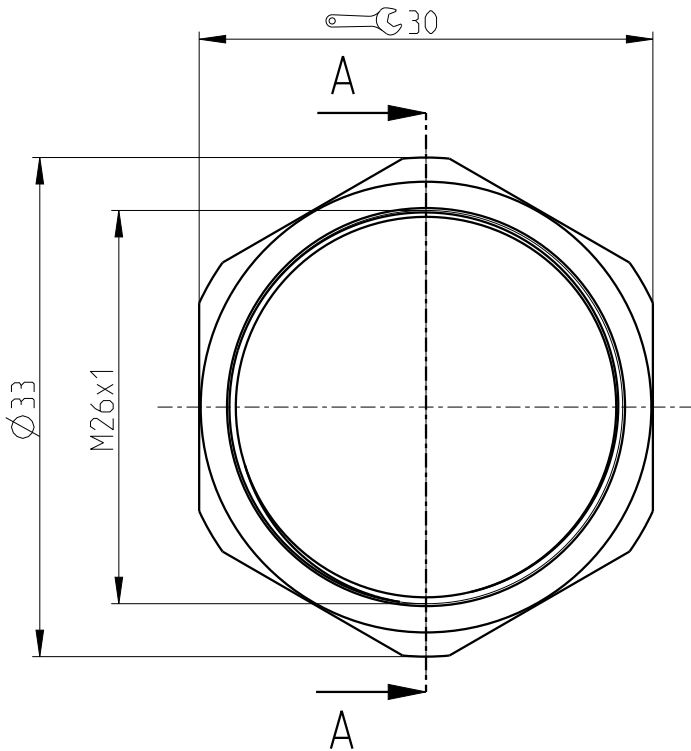


technical changes reserved

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A-A  
2:1

|                                                                  |              |
|------------------------------------------------------------------|--------------|
| article interfaces with<br>order number:<br>1821856<br>M26x1 nut |              |
| name                                                             | order number |
| housing                                                          | 1555725      |

dim-var. DIN ISO 2768-c

|        |            |        |
|--------|------------|--------|
|        | date       | name   |
| create | 2025-06-25 | cosa01 |

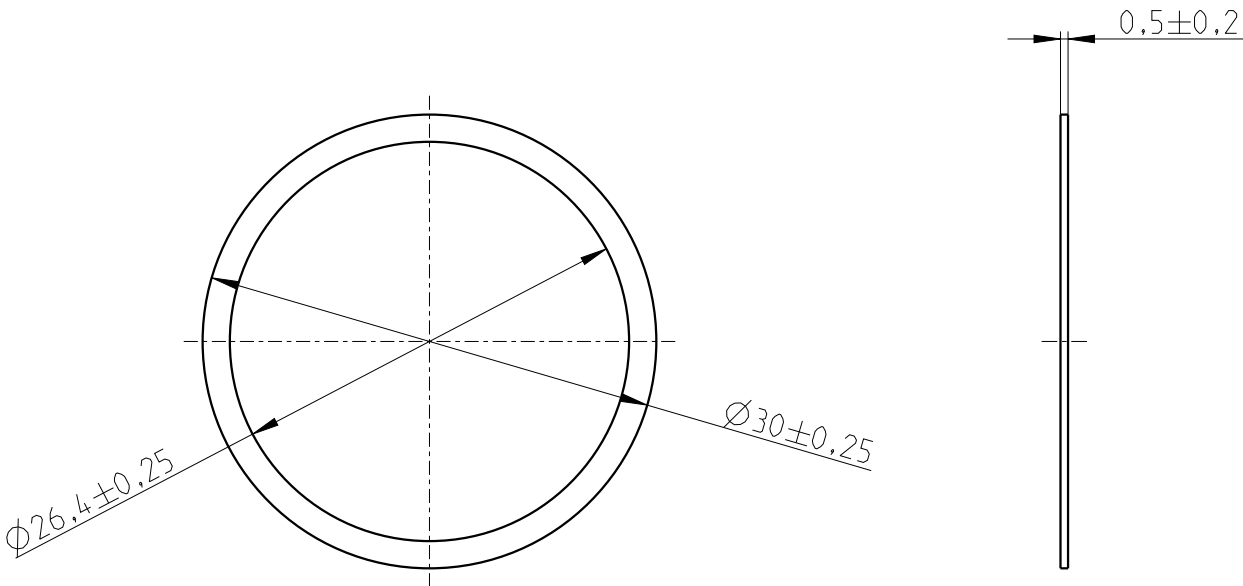


technical changes reserved

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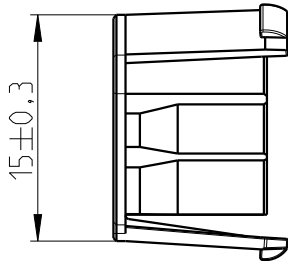
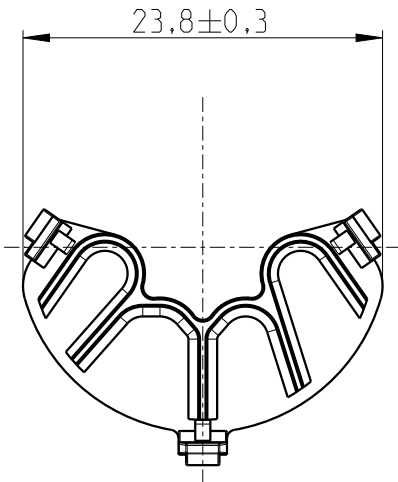
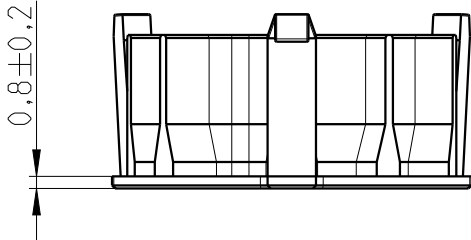
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|                                                                  |              |
|------------------------------------------------------------------|--------------|
| article interfaces with<br>order number:<br>1692442<br>flat seal |              |
| name                                                             | order number |
| housing                                                          | 1555725      |

|        |            |        |
|--------|------------|--------|
|        | date       | name   |
| create | 2025-06-25 | cosa01 |

|  |                            |                     |                      |             |
|--|----------------------------|---------------------|----------------------|-------------|
|  |                            |                     |                      |             |
|  | technical changes reserved | doc.-no.: 097788531 | Index 0 / 2025-06-25 | page: 5 / 6 |



|                                                                 |                          |
|-----------------------------------------------------------------|--------------------------|
| article interfaces with<br>order number:<br>1555726<br>extender |                          |
| name                                                            | order number             |
| conatc carrier                                                  | 1524754<br>or<br>1835953 |

|        |            |        |
|--------|------------|--------|
|        | date       | name   |
| create | 2025-06-25 | cosa01 |

