

EX I CONNECTION ELEMENTS

Zones 0, 1, 2

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 0, 1, 2 (gas)

The connection elements on electrical devices are designed to facilitate quick and efficient maintenance or calibration. These Ex i connection elements are specifically engineered for use with intrinsically safe circuits.

Certified according to the latest standards, these components are classified as simple electrical devices suitable for operation in zones 0, 1 and 2.

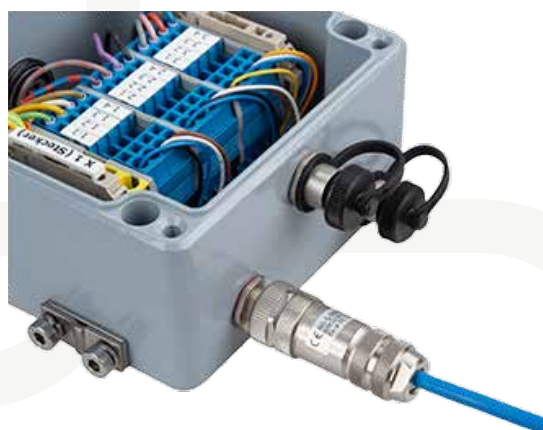
In addition to being used within enclosures, these connection elements can also function as coupling units to extend cables.

The Ex i connection elements are available in three distinct encoding options. Thanks to their high IP protection rating and broad ambient temperature range, these components are built to perform reliably in harsh environmental conditions.



2014/34/UE

NOTE: this connection elements are for the use with intrinsically safe circuits



VARIANTS

| Male A | Female A | Male B | Female B | Male D | Female D |
|--------|----------|--------|----------|--------|----------|
| | | | | | |

ITEM REFERENCES


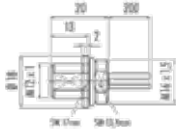

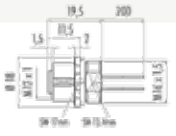


| COUPLER | | | | PLUG | | | |
|-----------------|------------------------|--------------|-----------|--------------|---------------------|--------------|-----------|
| | | | | | | | |
| Designation: | Type: | Connection: | Item No.: | Designation: | Type: | Connection: | Item No.: |
| 4 Poles coupler | A | M12x1 - Ø6-8 | 4F0101 | 4 Poles plug | A | M12x1 - Ø4-6 | 4F0107 |
| 4 Poles coupler | A | M12x1 - Ø4-6 | 4F0102 | 4 Poles plug | A | M12x1 - Ø6-8 | 4F0108 |
| 4 Poles coupler | B | M12x1 - Ø4-6 | 4F0103 | 4 Poles plug | B | M12x1 - Ø6-8 | 4F0109 |
| 4 Poles coupler | B | M12x1 - Ø6-8 | 4F0104 | 4 Poles plug | B | M12x1 - Ø4-6 | 4F0110 |
| 4 Poles coupler | D | M12x1 - Ø6-8 | 4F0105 | 4 Poles plug | D | M12x1 - Ø4-6 | 4F0111 |
| 4 Poles coupler | D | M12x1 - Ø4-6 | 4F0106 | 4 Poles plug | D | M12x1 - Ø6-8 | 4F0112 |
| | Coupler protection cap | | 4F0121 | | Plug protection cap | | 4F0122 |

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| FLANGE SOCKET | | | | FLANGE PLUG | | | |
|-----------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|-----------|
|  | |  | |  | |  | |
| Designation: | Type: | Occupancy: | Item No.: | Designation: | Type: | Occupancy: | Item No.: |
| 4 Poles flange socket | A | 1=bn / 2=wh / 3=bu / 4=bk | 4F0113 | 4 Poles flange plug | A | 1=bn / 2=wh / 3=bu / 4=bk | 4F0116 |
| 4 Poles flange socket | B | 1=bn / 2=wh / 3=bu / 4=bk | 4F0114 | 4 Poles flange plug | B | 1=bn / 2=wh / 3=bu / 4=bk | 4F0117 |
| 4 Poles flange socket | D | 1=ye / 2=wh / 3=or / 4=bu | 4F0115 | 4 Poles flange plug | D | 1=ye / 2=wh / 3=or / 4=bu | 4F0118 |
|  | Flange socket protection cap | | 4F0120 |  | Flange plug protection cap | | 4F0119 |

TECHNICAL SPECIFICATIONS

| | |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Marking: |  II 1G Ex ia IIC T6 Ga |
| Certificate: | According to 2014/34/EU |
| Operating temperature: | -40°C to +40°C |
| Operating voltage: | max. 60V |
| Current consumption: | max. 2A |
| Connection: | Coupler+Plug: max. 4 x 0.75 mm ² Flange socket + plug: 4 x 0.25 mm ² |
| Material: | Die-cast zinc (nickel plated) |
| Ingress protection: | IP66/67 |
| Coupler + plug: | M12 x 1 |
| Flange socket + plug: | M16 x 1.5 |



APPLICATIONS

