

| | | | |
|---------|--|----------------|--------------------------|
| Product | Contacts: 2+PE, Integrated plug with grounding ring, solder, gold contact plating, with UL approval | Area | M12-US Series 815 |
| Pole | 2+PE | Article number | 09 2431 09 03 |

| Illustration | Scale drawing | Contact Arrangement | | | | | | | | | | | | |
|--------------|---------------|--|--|---|---|---|------|------|---|-------|-------|---|------|-------|
| | | <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0,00</td> <td>1,90</td> </tr> <tr> <td>2</td> <td>-1,65</td> <td>-0,95</td> </tr> <tr> <td>3</td> <td>1,65</td> <td>-0,95</td> </tr> </tbody> </table> | | X | Y | 1 | 0,00 | 1,90 | 2 | -1,65 | -0,95 | 3 | 1,65 | -0,95 |
| | X | Y | | | | | | | | | | | | |
| 1 | 0,00 | 1,90 | | | | | | | | | | | | |
| 2 | -1,65 | -0,95 | | | | | | | | | | | | |
| 3 | 1,65 | -0,95 | | | | | | | | | | | | |

You can find the assembly instruction on the next page.

Technical data

Common values

| | |
|--------------------------|---------------------------|
| Connector Design | Integrated male connector |
| Connector locking system | screw |
| Termination | Solder |
| Wire gauge (mm) | 0.75 mm ² |
| Wire gauge (AWG) | 18 |
| Upper temperature | 85 °C |
| Lower temperature | -25 °C |

Cable data

| | |
|------------------------------|---|
| material housing | - |
| Insulation single lead | - |
| Single lead structure | - |
| Conductor resistance | - |
| Bending radius cable fixed | - |
| Bending radius cable movable | - |

Electrical values

| | |
|-----------------------|--------------------|
| Rated voltage | 250 V |
| Rated impulse voltage | 2500 V |
| Pollution degree | 3 |
| Overvoltage category | II |
| Material group | II |
| Rated current (40°C) | 4 A |
| Volume resistivity | ≤ 3 mΩ |
| EMV compliance | not shielded |
| Degree of protection | IP67 |
| Mechanical operation | > 50 mating cycles |

Material

| | |
|--------------------------|--------------|
| Material of contact | CuZn (Brass) |
| Contact plating | Au (Gold) |
| Material of contact body | PA |
| Material of housing | PA |

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Installation instructions / Mounting cutout

