

Product sheet

Output connector



| | | | |
|---------|---|------------------------|---|
| Product | Contacts: 6, Male angled connector, central lock, PG 13.5, right-turning (the pin and socket insert counter-rotate in right and left turning models) | Area Article number | M23 Power Series 623 99 4637 20 06 |
| Pole | 6 | | |

| Illustration | Scale drawing | Contact Arrangement | | | | | | | | | | | | | | | | | | | | | |
|--------------|---------------|---|--|---|---|---|------|------|---|------|-------|---|------|-------|---|-------|-------|---|-------|------|---|------|------|
| | | <table border="1"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4,13</td> <td>2,38</td> </tr> <tr> <td>2</td> <td>4,13</td> <td>-2,38</td> </tr> <tr> <td>3</td> <td>0,00</td> <td>-4,75</td> </tr> <tr> <td>4</td> <td>-4,13</td> <td>-2,38</td> </tr> <tr> <td>5</td> <td>-4,13</td> <td>2,38</td> </tr> <tr> <td>6</td> <td>0,00</td> <td>0,00</td> </tr> </tbody> </table> | | X | Y | 1 | 4,13 | 2,38 | 2 | 4,13 | -2,38 | 3 | 0,00 | -4,75 | 4 | -4,13 | -2,38 | 5 | -4,13 | 2,38 | 6 | 0,00 | 0,00 |
| | X | Y | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4,13 | 2,38 | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4,13 | -2,38 | | | | | | | | | | | | | | | | | | | | | |
| 3 | 0,00 | -4,75 | | | | | | | | | | | | | | | | | | | | | |
| 4 | -4,13 | -2,38 | | | | | | | | | | | | | | | | | | | | | |
| 5 | -4,13 | 2,38 | | | | | | | | | | | | | | | | | | | | | |
| 6 | 0,00 | 0,00 | | | | | | | | | | | | | | | | | | | | | |

Technical data

Common values

| | |
|--------------------------|----------------------------|
| Connector Design | Male panel mount connector |
| Connector locking system | screw |
| Termination | Solder |
| Wire gauge (mm) | 2.50 mm ² |
| Wire gauge (AWG) | 14 |
| Cable outlet | - |
| Upper temperature | 125 °C |
| Lower temperature | -20 °C |

Electrical values

| | |
|-----------------------|--------------------|
| Rated voltage | 300 V |
| Rated impulse voltage | 2500 V |
| Pollution degree | 3 |
| Overvoltage category | II |
| Material group | III |
| Rated current (40°C) | 20 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 | PBT/PA66 |
| Material of housing | Nickel-plated zinc die casting |

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