

Plastic distribution box ESP4 series (M12 socket, with M23 plug connector)

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|---|--|
| Description: | |
| Plastic housing, distributed design, 4-way, double signals. | |
| Features: | |
| <ul style="list-style-type: none"> Standard 3m PUR cable for M23 connector, optional cable material and length IP67 | |
| Type List | ESP4-12-3A-Q23 |
| Technical Data | |
| Output Function | 2 signals |
| Output Type | |
| Connection for Sensors/Actuators | 5-pin M12 female |
| Locking Sockets | Threaded M12x1 |
| Dimensions | Fig. 1 |
| Pin Assignment | Fig. 2 |
| Wiring Diagram | Fig. 7 |
| Supply Voltage | 24VDC |
| Supply Voltage Indicator | Green |
| I/O Channels | 4 |
| Signals per Port | 2 |
| Status Indicators | None |
| Operating Current | 2A/port |
| Current Parameter | 8A |
| Please do not operate cables above max. load capacity. | |
| Housing Material | Plastic PC + ABS |
| Protection Class | IP67 |
| Temperature Range | -40...+80 °C |
| Resistance | Good resistance against chemicals and oils. The resistance to aggressive media should be individually verified for your application. |
| Connector | M23(19pins) |
| Certificate | CE,UL |
| Dimensions | |
| Fig. 1 | |
| Pin Assignment | |
| Fig. 2 | |

| Accessories of Distribution Box -Connector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------------------------------|------------------------------------|-----------------|-----------------------|-----------------|-----------------------|---|----|----|-------|---|----|----|-------|---|----|----|----|---|-------|----|----|---|----|----|----|---|----|----|-------|---|-------|----|----|---|-------|--|--|---|-------|--|--|----|-------|--|--|----|----|--|--|----|-------|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type List | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | LSO23.19-0 | LSO23.19-0 | CO23.19-3/P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Description | Straight field-attachment connector | Angled field-attachment connector | Straight pre-wired connector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cable Material | -- | -- | Standard PUR/ PP Bending≥5 million | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cable Length | -- | -- | 3m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | Fig. 3 | Fig. 4 | Fig. 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin Assignment | Fig. 6 | Fig. 6 | Fig. 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fig. 3 | | Fig. 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fig. 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin Assignment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fig. 6 | <table border="1"> <thead> <tr> <th>19-pin M19 Male</th> <th>Suggested Cable Color</th> <th>19-pin M19 Male</th> <th>Suggested Cable Color</th> </tr> </thead> <tbody> <tr><td>1</td><td>VT</td><td>13</td><td>YE/BN</td></tr> <tr><td>2</td><td>RD</td><td>14</td><td>BN/GN</td></tr> <tr><td>3</td><td>GY</td><td>15</td><td>WH</td></tr> <tr><td>4</td><td>RD/BU</td><td>16</td><td>YE</td></tr> <tr><td>5</td><td>GN</td><td>17</td><td>PK</td></tr> <tr><td>6</td><td>BU</td><td>18</td><td>GY/BN</td></tr> <tr><td>7</td><td>GY/PK</td><td>19</td><td>BN</td></tr> <tr><td>8</td><td>WH/GN</td><td></td><td></td></tr> <tr><td>9</td><td>WH/YE</td><td></td><td></td></tr> <tr><td>10</td><td>WH/GY</td><td></td><td></td></tr> <tr><td>11</td><td>BK</td><td></td><td></td></tr> <tr><td>12</td><td>GN/YE</td><td></td><td></td></tr> </tbody> </table> | | | 19-pin M19 Male | Suggested Cable Color | 19-pin M19 Male | Suggested Cable Color | 1 | VT | 13 | YE/BN | 2 | RD | 14 | BN/GN | 3 | GY | 15 | WH | 4 | RD/BU | 16 | YE | 5 | GN | 17 | PK | 6 | BU | 18 | GY/BN | 7 | GY/PK | 19 | BN | 8 | WH/GN | | | 9 | WH/YE | | | 10 | WH/GY | | | 11 | BK | | | 12 | GN/YE | | |
| 19-pin M19 Male | Suggested Cable Color | 19-pin M19 Male | Suggested Cable Color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | VT | 13 | YE/BN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | RD | 14 | BN/GN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | GY | 15 | WH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | RD/BU | 16 | YE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | GN | 17 | PK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | BU | 18 | GY/BN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | GY/PK | 19 | BN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | WH/GN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | WH/YE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | WH/GY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | GN/YE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wiring Diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fig. 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |