

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

<b>Description:</b>				
Plastic housing, distributed design, 4-way, single/double signal.				
<b>Features:</b>				
<ul style="list-style-type: none"> <li>Optional output (PNP/NPN)</li> <li>LED indicator and high protection class IP67</li> <li>Standard 3m PUR cable for M12 connector, optional cable material and length</li> </ul>				
<b>Type List</b>	ESP4-12-2P-Q12	ESP4-12-2N-Q12	ESP4-12-3P-Q12	ESP4-12-3N-Q12
<b>Technical Data</b>				
Output Function	1 signal		2 signals	
Output Type	PNP	NPN	PNP	NPN
Connection for Sensors/Actuators	4-pin M12 female		5-pin M12 female	
Locking Sockets	Threaded M12x1			
Dimensions	Fig. 1			
Pin Assignment	Fig. 2		Fig. 3	
Wiring Diagram	Fig. 7	Fig. 8	Fig. 9	Fig.10
Supply Voltage	10...30VDC (24VDC)			
Supply Voltage Indicator	LED green			
I/O Channels	4			
Signals per Port	1		2	
Status Indicators	LED yellow			
Operating Current	Max. 1.5A / per contact			
Current Parameter	Max. 1.5A			
	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	M12(12pins)			



<b>Dimensions</b>	<b>Pin Assignment</b>
<p>Fig. 1</p>	<p>Fig. 2</p> <p>4-pin</p> <p>Fig. 3</p> <p>5-pin</p>

<b>Accessories of Distribution Box -Connector</b>																												
<b>Type List</b>	CO12.12-3 / P	CBO12.12-3 / P																										
Type	Straight pre-wired connector	Angled pre-wired connector																										
Description	Standard PUR / PP Bending≥5 million	Standard PUR / PP Bending≥5 million																										
Cable Material	3m	3m																										
Cable Length	Fig. 4	Fig. 5																										
Dimensions	Fig. 6	Fig. 6																										
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<b>Pin Assignment</b>	<p>Fig. 6</p> <table border="1"> <thead> <tr> <th>12-pin M12 Male</th> <th>Suggested Cable Color</th> </tr> </thead> <tbody> <tr><td>1</td><td>BN</td></tr> <tr><td>2</td><td>BU</td></tr> <tr><td>3</td><td>WH</td></tr> <tr><td>4</td><td>GN</td></tr> <tr><td>5</td><td>PK</td></tr> <tr><td>6</td><td>YE</td></tr> <tr><td>7</td><td>BK</td></tr> <tr><td>8</td><td>GY</td></tr> <tr><td>9</td><td>RD</td></tr> <tr><td>10</td><td>VT</td></tr> <tr><td>11</td><td>GY/PK</td></tr> <tr><td>12</td><td>RD/BU</td></tr> </tbody> </table>	12-pin M12 Male	Suggested Cable Color	1	BN	2	BU	3	WH	4	GN	5	PK	6	YE	7	BK	8	GY	9	RD	10	VT	11	GY/PK	12	RD/BU	
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<b>Wiring Diagram</b>	
<p>Fig. 7 Connector</p>	<p>Fig. 8 Connector</p>
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