

## Plastic distribution box ESP8 series (M8 socket, with M12 plug connector )

<b>Description:</b>		
Plastic housing, distributed design, 8-way, single 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>Compact size - 130mm, especially suitable for small space installation</li> <li>Standard 3m PUR cable for M12 connector, optional cable material and length</li> </ul>		
<b>Type List</b>		
	ESP8-8-2P-Q12	ESP8-8-2N-Q12
<b>Technical Data</b>		
Output Function	1 signal	
Output Type	PNP	NPN
Connection for Sensors/Actuators	3-pin M8 female	
Locking Sockets	Threaded M8x1	
Dimensions	Fig.1	
Pin Assignment	Fig.2	
Wiring Diagram	Fig.6	Fig.7
Supply Voltage	10...30VDC (24VDC)	
Supply Voltage Indicator	LED green	
I/O Channels	8	
Signals per Port	1	
Status Indicators	LED yellow	
Operating Current	Max. 1.5A	
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>		
Fig. 1		
	<b>Pin Assignment</b>	



<b>Accessories of Distribution Box -Connector</b>																												
<b>Type List</b>																												
Type	CO12.12-3 / P	CBO12.12-3 / P																										
Description	Straight pre-wired connector	Angled pre-wired connector																										
Cable Material	Standard PUR / PP Bending≥5 million	Standard PUR / PP Bending≥5 million																										
Cable Length	3m	3m																										
Dimensions	Fig. 3	Fig. 4																										
Pin Assignment	Fig. 5	Fig. 5																										
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Fig. 5	<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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