

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

Description:					
Plastic housing, distributed design, 4-way, single/double signal.					
Features:					
<ul style="list-style-type: none"> Optional output (PNP/NPN) LED indicator and high protection class IP67 Standard 3m PUR cable for M23 connector, optional cable material and length 					
Type List	ESP4-12-2P-Q23	ESP4-12-2N-Q23	ESP4-12-3P-Q23	ESP4-12-3N-Q23	
Technical Data					
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. 8	Fig. 9	Fig. 10	Fig. 11	
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. 2A / per contact				
Current Parameter	Max. 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)				
Dimensions					
Fig. 1			Pin Assignment		

Accessories of Distribution Box -Connector																																																							
Type List	LSO23.19-0	LSBO23.19-0	CO23.19-3/P																																																				
Type	Straight field-attachment connector	Angled field-attachment connector	Straight pre-wired connector																																																				
Description	--	--	Standard PUR/ PP Bending≥5 million																																																				
Cable Material	--	--	3m																																																				
Cable Length	Fig. 4	Fig. 5	Fig. 6																																																				
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	Fig. 7	<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		
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