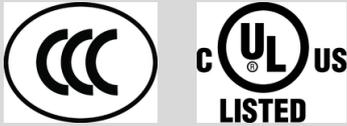


**SN02D12-1514-MC2132 (Order no. 097715)**

## Technical data

### Approvals



### Electrical connection values

Fuse	max. 4 A gG
Rated insulation voltage $U_i$	50 V
Rated impulse voltage $U_{imp}$	1.5 kV
Operating voltage DC	max. 30 V DC
Utilization category	
	AC-15 2.5 A 30 V
	DC-13 4 A 24 V

### Switching current

min. at DC 12V	min. 10 mA (applies from station 2 with switching element ES502E)
min. at DC 24V	min. 5 mA (applies to station 1 with switching element ES514)

thermal rated current $I_{th}$	4 A
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### Mechanical values and environment

Anfahrsgeschwindigkeit	0.01 ... 40 m/min
Connection type	1 x plug connector M12 (5-pin, not adjustable. Cable outlet for angle plug connector to the rear.)
Number NC contacts	1
Number of switching elements	2
Number of NO contacts	2
Number of positively driven contacts	1
Design	upright
Actuating element	Chisel plunger (Operating point accuracy $\pm 0.002$ . The reproducible operating point accuracy refers to the axial travel of the plunger after the switching element ES 502 E has been run-in with approx. 2,000 operating cycles.)

Actuating force	min. 30 N				
Installation orientation	any				
Storage temperature	-25 ... 80 °C				
Mechanical life	1 x 10 <sup>6</sup>				
Switching principle	<p>Snap-action switching contact (Contact closing time &lt; 4 ms, contact bounce time &lt; 3 ms, applies from station 2 with switching element ES502E)</p> <p>Snap-action switching contact (Contact closing time ≤ 5 ms, contact bounce time ≤ 3 ms, applies to station 1 with switching element ES514)</p>				
Degree of protection	<p>IP67 (only screwed tight with the related mating connector)</p>				
Plunger spacing	12 mm				
Ambient temperature	-5 ... 80 °C				
Material	<table border="0"> <tr> <td>Contact</td> <td>Silver alloy, gold flashed</td> </tr> <tr> <td>Housing</td> <td>Die-cast aluminum, anodized</td> </tr> </table>	Contact	Silver alloy, gold flashed	Housing	Die-cast aluminum, anodized
Contact	Silver alloy, gold flashed				
Housing	Die-cast aluminum, anodized				

## Characteristic values according to EN ISO 13849-1 and EN IEC 62061

B <sub>10D</sub>	2 x 10 <sup>6</sup>
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## Miscellaneous

C number	C2132
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**Additional information**      **Housing without earth conductor!**  
 (All the electrical connections must either be isolated from the mains supply by a safety transformer according to EN IEC 61558-2-6 with limited output voltage in the event of a fault, or by other equivalent insulation measures.)