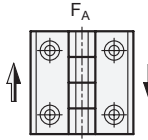
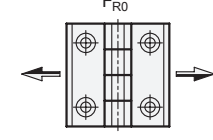
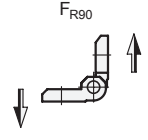
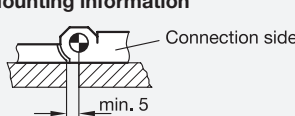
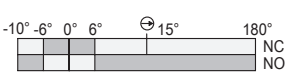
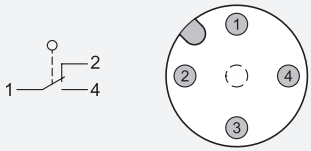


Mechanical features		
Maximum load Information without safety factor Examples of calculation → see operating instruction	Load direction	
	F max.	2100 N 472.10 lbf
		
		2800 N 629.47 lbf
		
		1300 N 292.25 lbf
Assembly	Types SH, SL und SR with countersunk for countersunk screws e.g. DIN 7991	
	Mounting information 	
Recommended torque	5 Nm (Screws M6)	
Protection class	IP67	acc. to EN 60529
Switching principle, contact opening	Changeover contact, with positive opening	acc. to IEC 60947-5-1
Contact material	Silver alloy Ag 90 Ni 10	
Operating travel diagram (scheme)	The switching points are fix at 6°. By reaching the lifespan, it can rise up to 9°. → see operating instruction 	
Maximum operating frequency	1200 / hour	
Mechanical life span	10 ⁶ operating cycles	acc. to IEC 60947-5-1
Actuating speed	min. 2° / second, max. 90° / second	

Electrical and safety features		
Utilization category	DC 13: 24 V DC / 4 A or 127 V DC / 0.3 A AC 15: 220 V AC / 4 A or 440 V AC / 3 A	acc. to EN 60947-5-2 acc. to EN 60947-5-1
Contact termination 4-pole plug M12 or cable with 2 m or 5 m length Pin and cable assignment		1 - blue 2 - gray 3 - black 4 - black
Type of cable	UL/CSA STYLE 2587 3X AWG 22	
Short-circuit current	1000 A	
Rated insulation voltage	250 V	
Short-circuit protection	6 A, 500 V, Type gI	
Ambient temperature	-4 °F to +176 °F (-20 °C to 80 °C)	
Degree of pollution, external	3	
Mission time (T_M)	20 years	
Number of cycles (B10 d)	2 000 000	

Approvals, conformities		
Low-voltage switchgear and controlgear		EN 60947-1-5 : 2003 + A1/2009
CE declaration		

Other important details and hints are given in the operating instructions for EN 239.4 hinges which are included with every hinge and they are also available as PDF downloads from "www.jwwinco.com" under "Service".

The hinges with integrated switch must be mounted and commissioned by qualified technical personnel in compliance with the details given in the operating instructions and with the national / international rules and regulations along with the applicable standards. JW Winco will assume no statutory liability for missing or incorrect information and for any consequences arising therefrom.

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