

		ESR4-NO-30	ESR4-NO-31	ESR4-NO-21	ESR4-NV3(30)-30	ESR4-NZ-21	ESR4-NE-42	ESR4-VE3-42
Magnet systems								
Actuating voltage 50/60 Hz	V AC	24 115 230	24 115 230	24	24	24	24	-
Actuating voltage	U_s	V DC	24	24	24	24	24	24
Voltage tolerance, Pick-up		$\times U_e$	0.85...1.1	0.85...1.1	0.85...1.1	0.85...1.1	0.85...1.1	0.85...1.1
Power consumption								
AC operated 50/60 Hz 24 V/230 V	VA	4.4/4.4/4.4	3.2/2.3/2.3	4.4		3.1	2.7	2.7
AC operated 50/60 Hz 24 V/230 V	W	2.4/2.4	1.8/2.0/2.0	2.4		1.9	1.5	1.5
DC operated	W	2.0	1.3	2.0	2.6	2.4	1	1
Control circuit								
Rated output voltage	V DC	≤ 24	≤ 24	≤ 24	≤ 24	≤ 24	-	-
No-load voltage	V DC	≤ 40	-	-	-	-	-	-
Rated current	mA	40	40	50	50	60	-	-
Max. resistive load of the cable	R	Ω	70	70	70	70	-	-
Short-circuit current	A	1	1.4	2.2	2.2	1	-	-
Fuse	W	Short-circuit protected	24 V: PTC resistance 230 V: short-circuit proof transformer	PTC resistor	PTC resistor	PTC resistor		
Inputs								
Rated current	mA	S12, 31, 32, 33: 40, S34, 35: 5	Y2: 90, Y3: 1500	S12: S22 S31: 40 S34, S35: 5	S12, S22, S31: 25; S34, S35: 40	Y2: 60; Y11, Y21: 60	65	65
Response time with reset monitoring	t_{A1}	ms	20 – 40	40 (DC) 180 (AC)	20 – 40	30	-	-
Response time without reset monitoring	t_{A2}	ms	200 – 600	40	200 – 500	700	40	20
Reset time	t_R/t_{R1}	ms	< 2	> 60	< 25	25/adjustable	< 50	40
Minimum contact closing time	t_M	ms	> 80	> 60	> 50	200	-	75
Recovery time	t_W	ms	≥ 100	< 200	≥ 40	500	≤ 250	-
Synchronous monitoring time	t_S	ms	200	-	200	> 100, < 500	≤ 500	-
Electromagnetic compatibility (EMC)								
Emitted interference			to EN 50081-1 and EN 50081-2					
Interference immunity			EN 50082-2					

