

Operating distance 10 mm

Class		Standard duty	Standard duty	Standard duty
Number of conductors		3-wire	3-wire	4-wire
Design		M 30, Shorty	M 30	M 30
Installation in metal		Flush	Flush	Flush
Rated operating distance s_n	mm	10	10	10
Enclosure material		Brass, nickel-plated	Brass, nickel-plated	Brass, nickel-plated
Operational voltage (DC)	V	15 ... 34	15 ... 34	15 ... 34
No-load supply current I_0	mA	≤ 17 (24 V); ≤ 30 (34 V)	≤ 17 (24 V); ≤ 30 (34 V)	≤ 25 (24 V); ≤ 40 (34 V)
Rated operational current I_e	mA	200 (≤ 50 °C); 150 (≤ 85 °C)	200 (≤ 50 °C); 150 (≤ 85 °C)	200 (≤ 50 °C); 150 (≤ 85 °C)
Switching frequency f	Hz	300	300	300
Repeat accuracy R	mm	0.3	0.3	0.3
Power-up delay t_v	ms	40	40	40
Switching status display		Yellow LED	Yellow LED	Yellow LED
Precautions				
• Spurious signal suppression		•	•	•
• Short-circuit-proof/overload-proof		•	•	•
• Reverse-polarity protection		•	•	•
• Wire-break protection		•	•	•
• Inductive interference protection		•	•	•
• Radio interference protection		•	•	•
Degree of protection		IP67	IP67	IP67
Types with 2 m PUR cable	Order No.	3RG4014-0AG33 3RG4014-0AF33 3RG4014-0GB33 3RG4014-0GA33	3RG4014-0AG01 3RG4014-0AF01 3RG4014-0GB00	3RG4014-0CD00
Types with M12 connector	Order No.	3RG4014-3AG33 3RG4014-3AF33 3RG4014-3GB33 3RG4014-3GA33	3RG4014-3AG01 3RG4014-3AF01 3RG4014-3GB00	3RG4014-3CD00

Class		Standard duty (PLC)	Standard duty
Number of conductors		2-wire	4-wire
Design		M 30	M 30
Installation in metal		Flush	Flush
Rated operating distance s_n	mm	10	10
Enclosure material		Brass, nickel-plated	Brass, nickel-plated
Operating voltage			
• DC	V	15 ... 34	10 ... 30
• AC	V	-	-
No-load supply current I_0			
• At 24 V DC	mA	≤ 1.5	15
• At 230 V AC	mA	-	-
Rated operational current I_e			
• Continuous	mA	25	300
• 20 ms	mA	-	-
Minimum load current	mA	2	-
Switching frequency f	Hz	300	300
Repeat accuracy R	mm	0.3	0.3
Power-up delay t_v	ms	40	40
Switching status display		Yellow LED	-
Precautions			
• Spurious signal suppression		•	•
• Short-circuit-proof/overload-proof		-	•
• Reverse-polarity protection		•	•
• Wire-break protection		•	•
• Inductive interference protection		•	•
• Radio interference protection		•	•
Degree of protection		IP67	IP67
Types with 2 m PUR cable	Order No.	3RG4014-0JB00	-
Types with M12 connector	Order No.	3RG4014-3JB00	3RG4014-3CD01