

Operating distance 5 mm

Class		Standard duty	Standard duty	Standard duty
Number of conductors		3-wire	3-wire	4-wire
Design		M18, Shorty	M18	M18
Installation in metal		Flush	Flush	Flush
Rated operating distance s_n	mm	5	5	5
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	800	800	800
Repeat accuracy R	mm	0.15	0.15	0.15
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.	3RG4013-0AG33 3RG4013-0AF33 3RG4013-0GB33 3RG4013-0GA33	3RG4013-0AG01 3RG4013-0AF01 3RG4013-0GB00 3RG4013-0GA00	3RG4013-0CD00
Types with M12 connector	Order No.	3RG4013-3AG33 3RG4013-3AF33 3RG4013-3GB33 3RG4013-3GA33	3RG4013-3AG01 3RG4013-3AF01 3RG4013-3GB00 3RG4013-3GA00	3RG4013-3CD00

Class		Standard duty	Standard duty
Number of conductors		3-wire	4-wire
Design		Ø18 mm (button)	M 14
Installation in metal		Flush	Not flush
Rated operating distance s_n	mm	5 (3.2)	5
Enclosure material		Molded plastic	Molded plastic
Operational voltage (DC)	V	10 ... 30	15 ... 34
No-load supply current I_0	mA	≤ 1.5	≤ 257 (24 V); ≤ 40 (34 V)
Rated operational current I_e	mA	50	200 (≤ 50 °C); 150 (≤ 85 °C)
Switching frequency f	Hz	100	300
Repeat accuracy R	mm	0.15	0.1
Power-up delay t_v	ms	0.1	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.	-	3RG4082-0CD00
Types with M12 connector	Order No.	-	3RG4082-3CD00
Types with single conductors, 0.5 m, PVC	Order No.	3RG4075-0AJ00 3RG4075-0AH00 3RG4075-0GJ00	-

Class		Standard duty (PLC)
Number of conductors		2-wire
Design		M18
Installation in metal		Flush
Rated operating distance s_n	mm	5
Enclosure material		Brass, nickel-plated

Class		Standard duty (PLC)
Operational voltage (DC)		
• DC	V	15 ... 34
• AC	V	-
No-load supply current I_0		
• At 24 V DC	mA	≤ 1.5
• At 230 V AC	mA	-
Rated operational current I_e		
• Continuous	mA	25
• 20 ms	mA	-
Minimum load current	mA	2
Switching frequency f	Hz	400
Repeat accuracy R	mm	0.15
Power-up delay t_v	ms	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
Types with 2 m PUR cable	Order No.	3RG4013-0JB00
Types with M12 connector	Order No.	3RG4013-3JB00