

Operating distance 5 mm

Class		Extra duty (65 V DC)
Number of conductors		3-wire
Design		M14
Installation in metal		Not flush
Rated operating distance s_n	mm	5
Enclosure material		Molded plastic
Operational voltage (DC)	V	10 ... 65
No-load supply current I_0	mA	≤ 10
Rated operational current I_e	mA	300
Switching frequency f	Hz	300
Repeat accuracy R	mm	0.1
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.	3RG4082-0AB00
Types with M12 connector	Order No.	3RG4082-3AB00

Class		Extra duty (65 V DC)	Extra duty (AC/DC)
Number of conductors		3-wire	2-wire
Design		M18	M18
Installation in metal		Flush	Flush
Rated operating distance s_n	mm	5	5

Class		Extra duty (65 V DC)	Extra duty (AC/DC)
Enclosure material		Brass, nickel-plated	Brass, nickel-plated
Operating voltage			
• DC	V	10 ... 65	20 ... 320
• AC	V	-	20 ... 265
No-load supply current I_0			
• At 24 V DC	mA	≤ 10	1.0
• At 230 V AC	mA	-	1.5
Rated operational current I_e			
• Continuous	mA	300	300
• 20 ms	mA	-	1800
Minimum load current	mA	-	5
Switching frequency f	Hz	800 (NO contact), 4000 (NC contact)	25/490 (AC/DC)
Repeat accuracy R	mm	0.15	0.15
Power-up delay t_v	ms	40	100
Switching status display		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
Types with 2 m PUR cable	Order No.	3RG4013-0AB00 3RG4013-0AA00	3RG4013-0KB00 3RG4013-0KA00
Types with M12 connector	Order No.	3RG4013-3AB00 3RG4013-3AA00	3RG4013-3KB00 3RG4013-3KA00

Class		IP68 / 69 K	IP68 / 69 K	IP68 / 69 K
Number of conductors		3-wire	3-wire	3-wire
Design		Ø 18 mm	M18	M18
Installation in metal		Flush	Flush	Flush
Rated operating distance s_n	mm	5	5	5

Class		IP68 / 69 K	IP68 / 69 K	IP68 / 69 K
Enclosure material		Molded plastic	Molded plastic	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)	≤ 17 (24 V); ≤ 30 (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		IP68 / 69 K	IP68 / 69 K	IP68 / 69 K
Types with 2 m PUR cable	Order No.	3RG4053-0AG30 3RG4053-0AF30 3RG4053-0GB30 3RG4053-0GA30	3RG4013-0AG30 3RG4013-0AF30 3RG4013-0GB30 3RG4013-0GA30	3RG4013-0AG31 3RG4013-0GB31