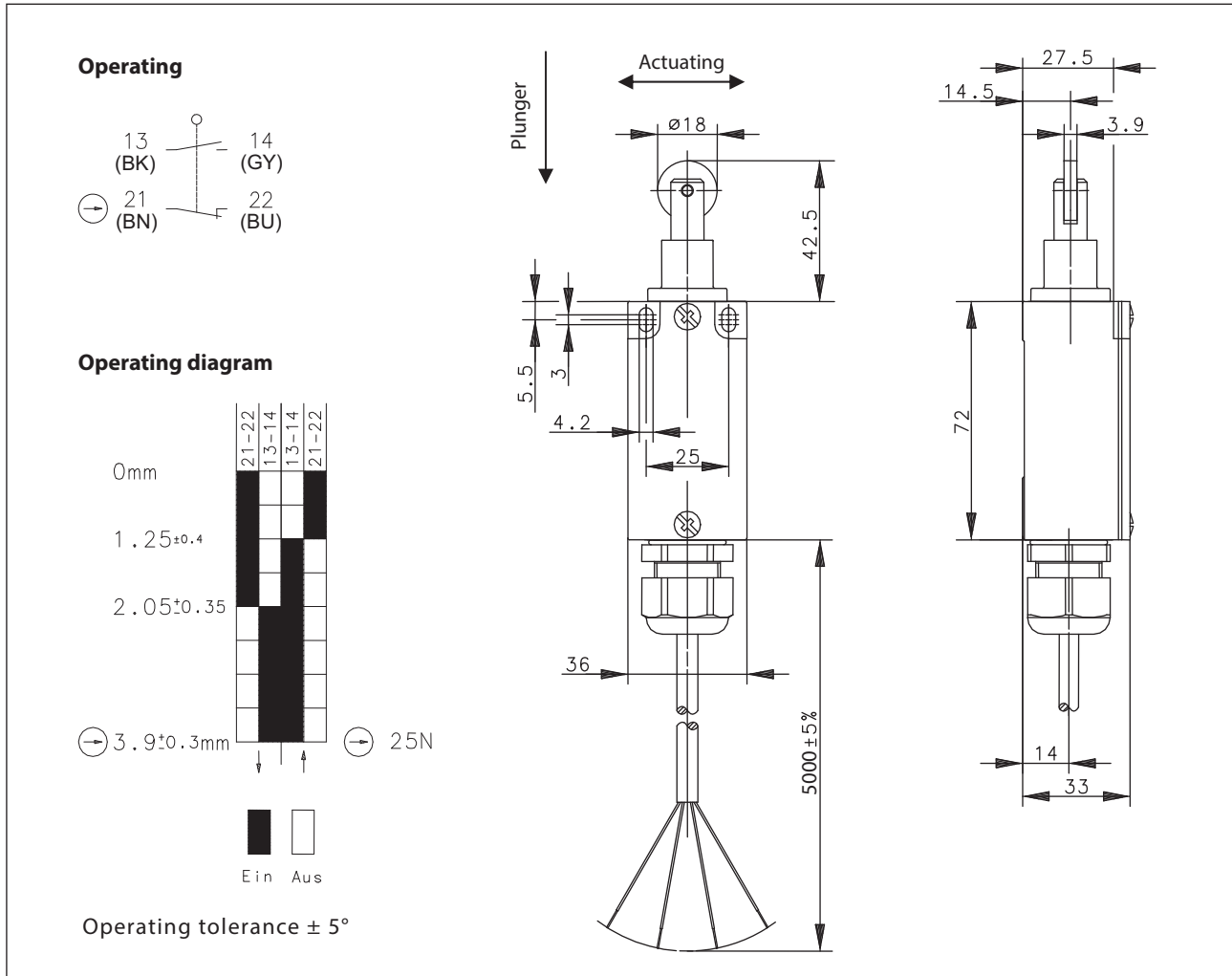


# Metal bodied limit switch – $\text{Ex}$ II 2G

## Series GC-EX

Description **GC-SU1Z EX RIW -5M-**

Article number **6092167014**




Electrical data		
Rated insulation voltage	$U_i$	250 V AC
Conv. thermal current	$I_{the}$	5 A
Rated operational voltage	$U_e$	230 V AC
Utilization category		AC 15, 240 V/3 A; DC 13, 250 V/0,27 A
Direct opening action	$\text{⊕}$	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 4 A gL (with safety function) Fuse 6 A gL
Safety class		II, fully insulated (see notes)

Mechanical Data	
Enclosure	Die-cast aluminium
Cover	Sheet aluminium
Actuator	Roller (stainless steel)
Ambient air temperature	-20 °C ... +65 °C
Maximum surface temperature	80 °C / T6
Contact type	1 NC, 1 NO (Zb)
Mechanical life	2 x 10 <sup>6</sup> switching cycles
Mechanical switching frequency	max. 50 / min.
Switching frequency under max. load	max. 20 / min. (AC), max. 15 / min. (DC)
Permissible actuating speed	min. 10 mm/min; max. 1 m/s
Assembly	2 screws M4
Connection	Control cable (with wire end ferrules)
Conductor cross-sections	4 x 0,75 mm <sup>2</sup>
Cable entrance	1 x cable gland (M20x1.5)
Weight	≈ 0,50 kg
Installation position	Any, installed in a protected position on the underside of the enclosure
Protection type of the installed switch block	IP 66/IP 67 acc. to IEC/EN 60529

Actuation
The actuating device is preferably started from 2 side.

Standards
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
DIN EN 50014, EN 50014
DIN EN 50018, EN 50018
Directive 94/9/EC

Explosion Protection
 II 2 G EEx d IIC T6

EC-Type Examination Certificate	
Metal switch complete	TÜV 03 ATEX 2043X
Installed switch block	TÜV 03 ATEX 2021X

BG-Type Examination Certificate
Low voltage directive 73/23/EEC
Safety of machinery directive 98/37/EC
GS-ET-15
DIN EN 60947-5-1

**EU Conformity**

acc. to directive 94/9/EC

**Notes**

The switching unit must be securely installed.  
The cable must be securely laid and protected against mechanical damage.  
The metal enclosure of the switch must be earthed if the enclosure can be expected to develop a hazardous charge during operation.  
The switch may not be used as a mechanical stop.  
Other cable lengths on request.