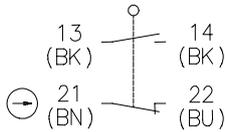


Series GC

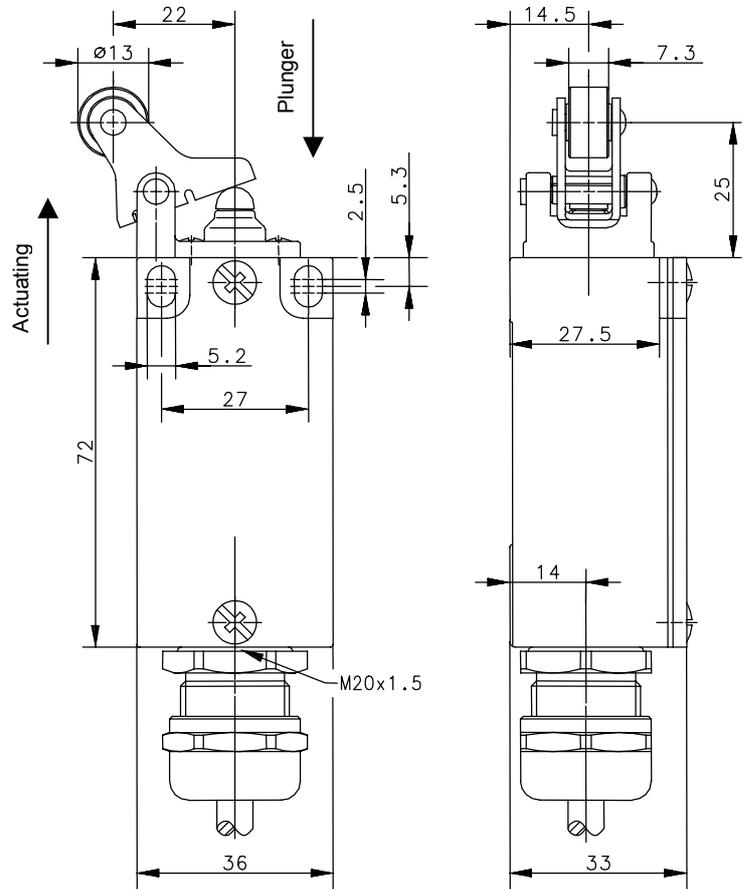
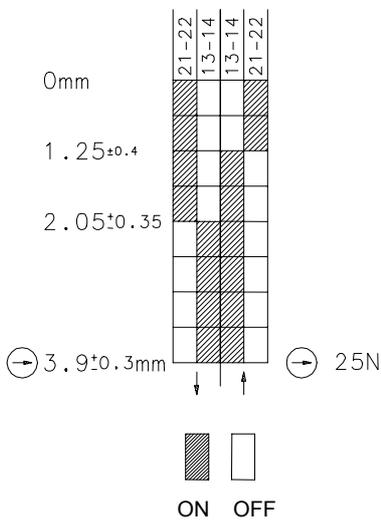
Description **GC-SU1Z EX KNW-2M-180GR**

Article number **6192177016**

Operating symbol



Operating diagram
 (applies to plunger direction)



Electrical data

Rated insulation voltage	U_i	250 VAC
Conv. thermal current	I_{the}	10A
Rated operational voltage	U_e	230V
Utilization category		AC 15, 240V/3A; DC 13, 250V/0,27A
Positive opening NC contact	\ominus	IEC/EN 60947-5-1
Short-circuit protective device		Fuse 4A gL (with safety function) Fuse 6A gL and 10A gL IEC/EN 60947-5-1
Safety class		II, fully insulated (see notes)

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Mechanical data	
Enclosure	Die-cast aluminium
Cover	Sheet aluminium
Actuator	Lever arm housing (Zn-DG), roller (thermoplastic)
Ambient air temperature	-20°C ... +70°C
Maximum surface temperature	80°C/T6
Contact type	1 NC, 1 NO (Zb)
Operating force	See operating diagram
Mechanical life	2 x 10 ⁶ switching cycles
Mechanical switching frequency	≤50 / min.
Switching frequency under max. load	≤20 / min. (AC), ≤15 / min. (DC)
Permissible actuating speed	≥10mm/min; ≤1m/s
Assembly	4 x M5
Connection	Control cable (with wire end ferrules)
Conductor cross-sections	4x 0,75mm ²
Cable entrance	1 x tight cable gland M20x1.5
Weight	Approx. 0,29kg (inclusive the cable)
Installation position	Any, installed in a protected position on the underside of the enclosure
Protection type of the installed switch block	IP66/IP67 acc. to IEC/EN 60529

Actuation
The actuating device is preferably started from 1 side.

Standards	
	IEC 947-5-1, DIN VDE 0660 T200, DIN EN 60947-5-1
	IEC 947-1, DIN VDE 0660 T100, DIN EN 60947-1
	IEC 60947-5-1/A1
	EN 50014, DIN EN 50014
	EN 50018, DIN EN 50018

Explosion Protection	
	 II 2 G EEx d IIC T6
	FM Class I, Zone 1, AEx d IIC T6
	Class I, Div. 2, Group A, B, C, D

Test Certificate	
	TÜV 03 ATEX 2043X
Switch block EEx-SU1Z w	TÜV 03 ATEX 2021X

EU Conformity	
	 0032
	Directive 94/9 EU

Approvals	
CSA	CSA: C22.2 No. 0-M91, C22.2 No. 14-95
UL	UL: 508 17 th Edition

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.

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