

# Metal bodied limit switch

## Series GC

Description **GC-SU2 RIW 90GR M12**

Article number **6122267971**

**Operating symbol**

(1) 13 — 14 (4)  
21 — 22  
(3) 33 — 34 (2)  
41 — 42

**Connector**

**Operating diagram**

	13-14	21-22	33-34	41-42	13-14	21-22	33-34	41-42
0mm								
1,3								
2.5								
4mm								

On    
  Off

Tolerance:  
 Operating Point  $\pm 3,5^\circ$ ;  
 Operating force  $\pm 10\%$

Electrical Data		
Rated operational voltage	$U_e$	24 V
Utilization category	AC-15, $U_e/I_e$ 24 V / 1,5 A	
Short-circuit protective device	Fuse 2 A gG	
Protection class	III (safety extra-low voltage)	

<b>Mechanical data</b>	
Enclosure	Die-cast aluminium
Cover	Sheet aluminium
Actuator	Roller (steel)
Ambient air temperature	-30 °C ... +80 °C
Contact type	2 N.C., 2 N.O.
Mechanical life	3 x 10 <sup>6</sup> operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4
Connection	Connector M12x1; A coded
Weight	≈ 0,22 kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529

<b>Actuation</b>
By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.

<b>Standards</b>
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1

<b>Notes</b>
<p>The cover is secured by a one-way screw.</p> <p>The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent connector.</p> <p>The connector and the cable (fix or flexible mounted) must at least be suitable for the described ambient air temperatures.</p> <p>The connector must not be connected or disconnected when voltage is applied.</p> <p>The mechanical life of the connector is 500 connection cycles.</p> <p>Suitable connector and cable must be used to meet approval requirements.</p>