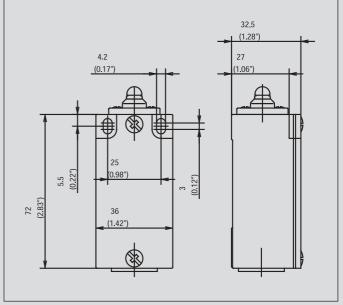
Metal-Enclosed Limit Switches

GC





Recommended use

Thanks to its compact design, this metal-enclosed switch is ideally suited for virtually all safety and position monitoring applications.

Product advantages

- Protection class IP 65 to VDE 0470 T1
- Enclosure: Aluminium pressure die-casting
- Cover: Sheet aluminium
- Actuator can be repositioned by 4 x 90°
- Cable entry M20 x 1.5
- Connection designation conforming to DIN EN 50013
- Metal actuators for high loads
- Graduated adjustment of AH lever
- Selectable direction-dependent contact-making of AH actuator (basic setting: contact-making both sides)

Options

- AS interface versions on request
- Preassembled with customer-specific cables and connectors on request

Design layout

- Slow-action and snap-action contacts
- Versions: 1 NC / 1NO, 2 NC / 2 NO, 2 NC, overlapping contacts
- All NC contacts with → in the circuit diagram are positively opening contacts
- Type: Zb (galvanically isolated changeover contact)
- Latching function on request

Mounting

 2 adjustment slots for M4 screws (for safety applications with blind hole for ø 4.0 mm fitted pin in enclosure base or enclosure with holes for M5)

Installation advantages

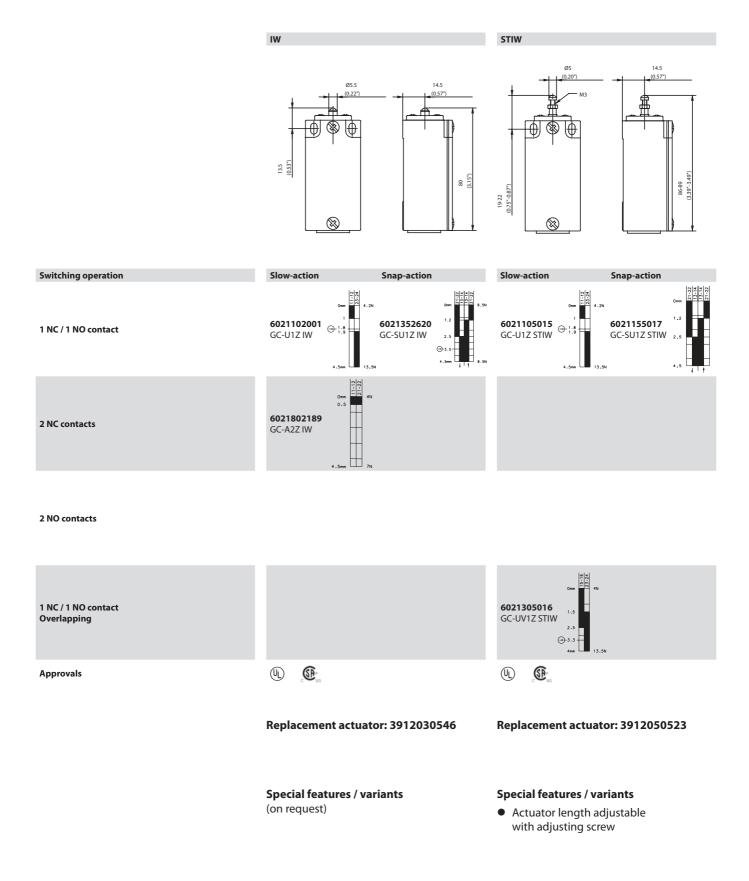
- Screw connections with self-lifting clamping plates
- Captive cover screws
- Easy-to-change switching system thanks to snap-in retainer
- Finely adjustable switching point with adjusting screw

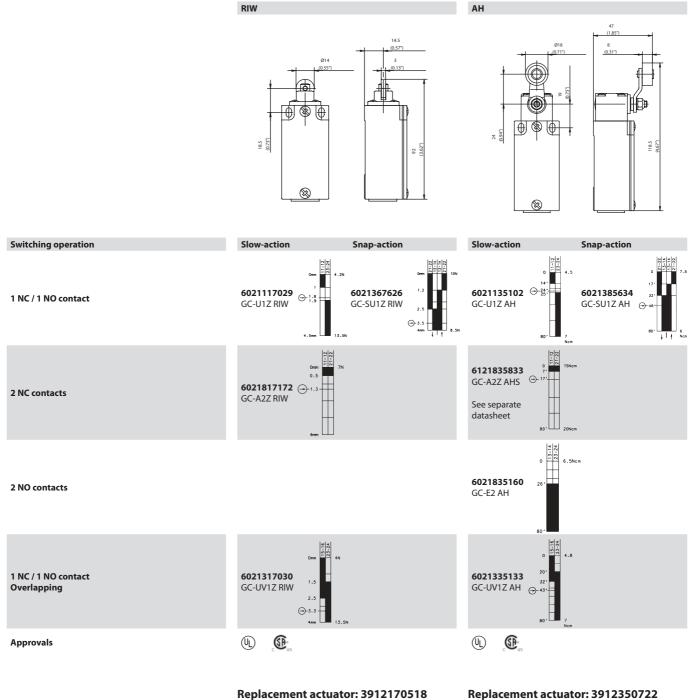
Technical data

Electrical data			
Rated insulation voltage (up to) 10	U _i max.	400 V AC	
Conventional thermal current (up to ¹	I _{the}	10 A	
Rated operating voltage	U _e max.	240 V	
Utilization category (up to) 10		AC-15, U _e /I _e 240 V/3 A	
Short-circuit protection (up to) 10		Fuse 10 A gL/gG	
Protection class		I	
Mechanical data			
Enclosure material	Aluminium pressure die-casting		
Ambient temperature	−30 °C to + 80 °C		
Mechanical service life (up to) 10	10 x 10 ⁶ switching cycles		
B10d (up to) ^①	20 Mill.	20 Mill.	
Switching frequency	≤ 100/min.		
Type of connection	Screw connections		
Conductor cross sections		Single-wire 0.5 – 1.5 mm ² or Stranded wire with ferrule 0.5 – 1.5 mm ²	
Cable entry	1 x M20 x 1.5		
Protection class	IP 65 conforming to IEC/EN 60529		
Standards			
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1			

① Depending on switching system. See Table on Pages 70 – 73.







Replacement actuator: 3912170518

Special features / variants

(on request)

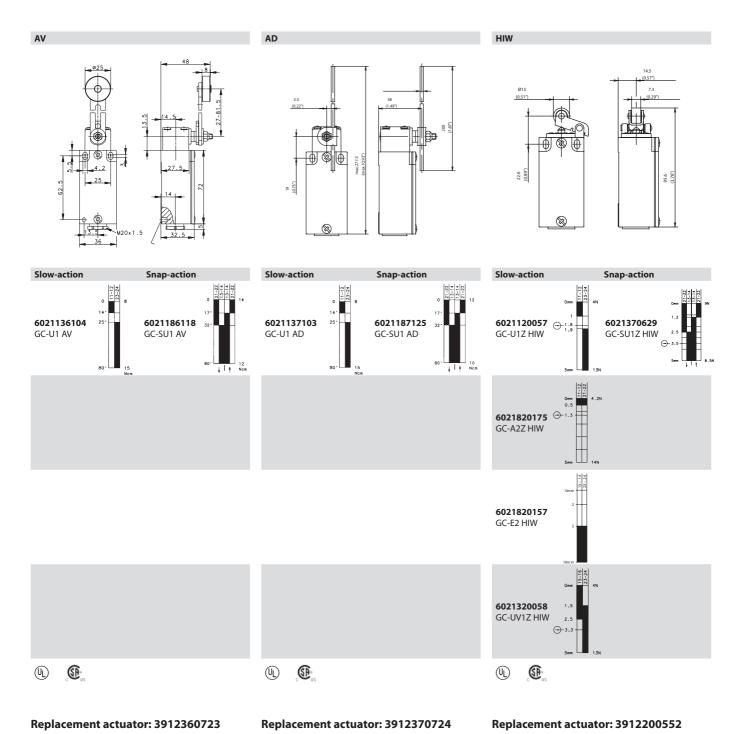
 Available for high temperature range and following contacts: 2 NC / 1 NO contact 2 NC / 2 NO contact (larger enclosure)

Special features / variants

(on request)

- Available with various roller diameters, cranked or straight lever and with various lever lengths
- With roller over switch and with following contacts: 2 NC / 2 NO contact (larger enclosure)





Special features / variants

Various roller diameters

(on request)

- Different lever lengths
- With roller over switch and with following contacts:
 2 NC / 2 NO contact

Special features / variants

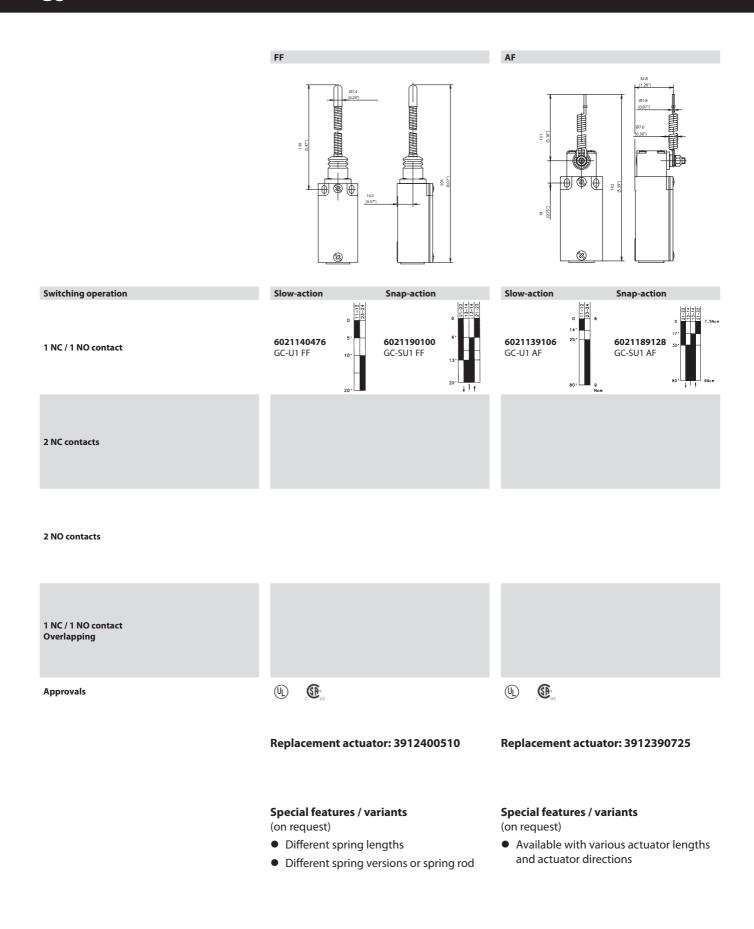
(on request)

- Available with various actuator lengths and actuator directions
- With following contacts:
 2 NC / 1 NO with overlap (larger enclosure)

Special features / variants

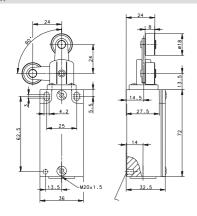
(on request)

- Available with different actuating directions
- Available with steel roller
- With following contacts:
 2 NC / 2 NO contact
 1 NC / 2 NO with overlap (larger enclosure)





DR





Replacement actuator: 3912410593

Special features / variants

(on request)