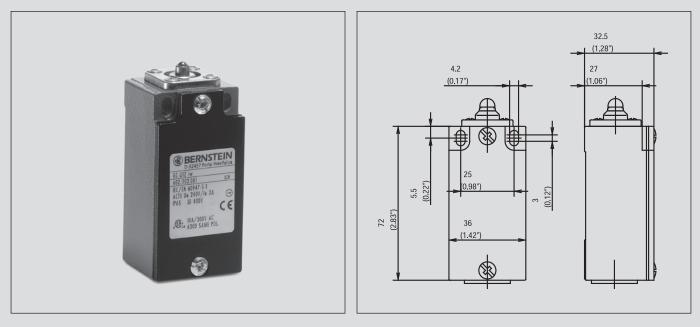
## **Metal-Enclosed Limit Switches**

### 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**

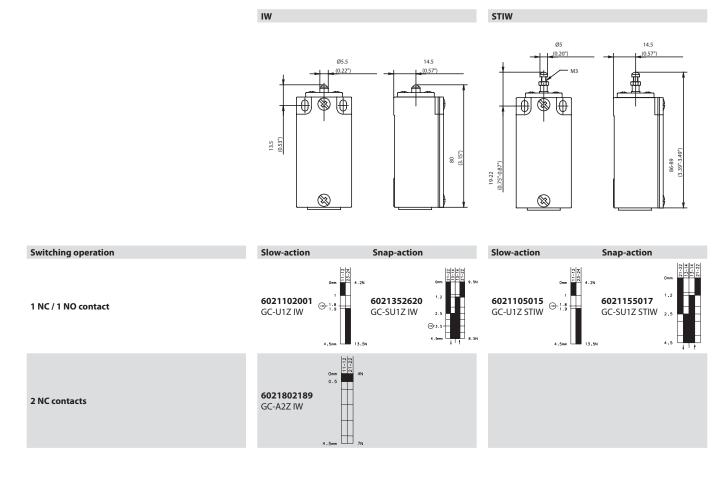
Electrical data			
Rated insulation voltage (up to) $^{\odot}$	U <sub>i</sub> max.	400 V AC	
Conventional thermal current (up to $^{\odot}$	I <sub>the</sub>	10 A	
Rated operating voltage	U <sub>e</sub> max.	240 V	
Utilization category (up to) $^{\bigcirc}$		AC-15, U <sub>e</sub> /I <sub>e</sub> 240 V/3 A	
Short-circuit protection (up to) <sup>①</sup>		Fuse 10 A gL/gG	
Protection class		1	
Mechanical data			
Enclosure material	Aluminiu	Aluminium pressure die-casting	
Ambient temperature	–30 °C to	–30 °C to + 80 °C	
Mechanical service life (up to) $^{\bigcirc}$	10 x 10 <sup>6</sup> s	10 x 10 <sup>6</sup> switching cycles	
B10d (up to) <sup>1</sup>	20 Mill.	20 Mill.	
Switching frequency	≤ 100/m	≤ 100/min.	
Type of connection	Screw co	Screw connections	
Conductor cross sections	Single-w Stranded	Single-wire 0.5 – 1.5 mm <sup>2</sup> or Stranded wire with ferrule 0.5 – 1.5 mm <sup>2</sup>	
Cable entry	1 x M20 :	1 x M20 x 1.5	
Protection class	IP 65 cor	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.

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2 NO contacts

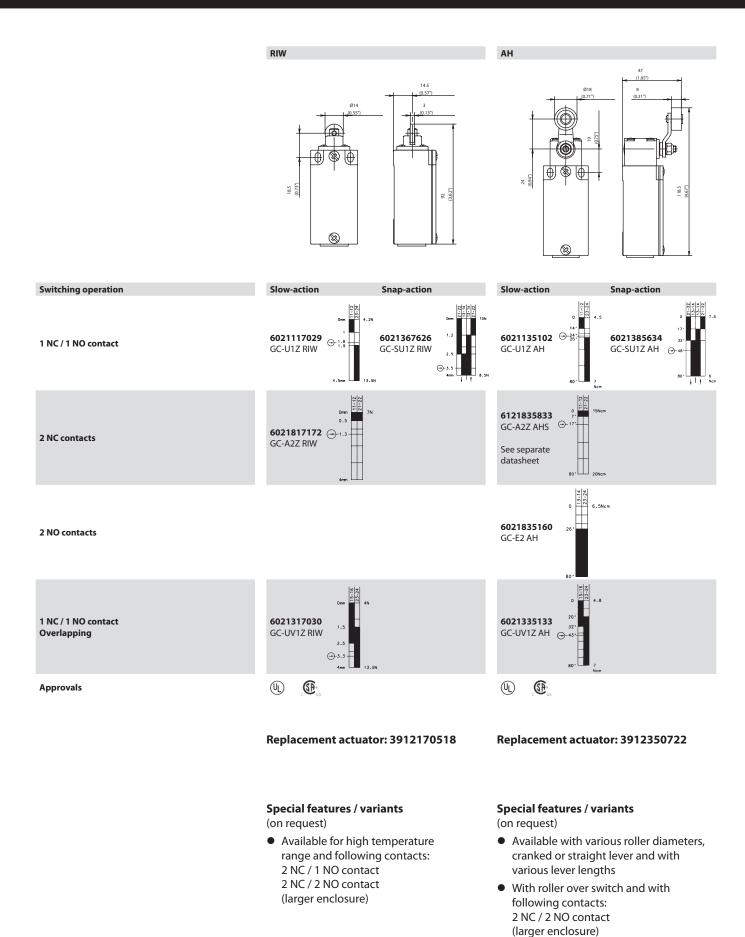


**Special features / variants** (on request)

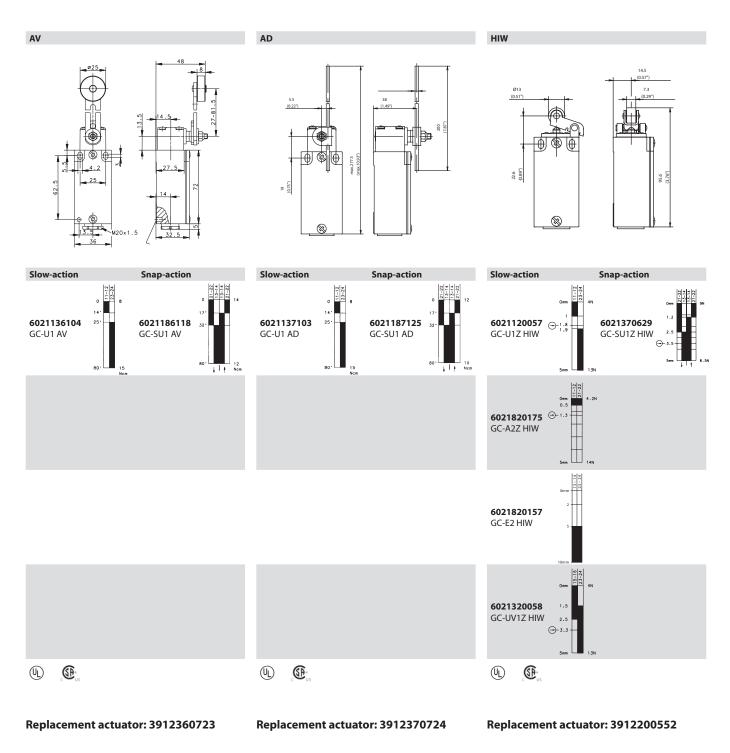
Special features / variantsActuator length adjustable

with adjusting screw

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## Special features / variants

- (on request)
- Various roller diameters
- Different lever lengths
- With roller over switch and with following contacts: 2 NC / 2 NO contact

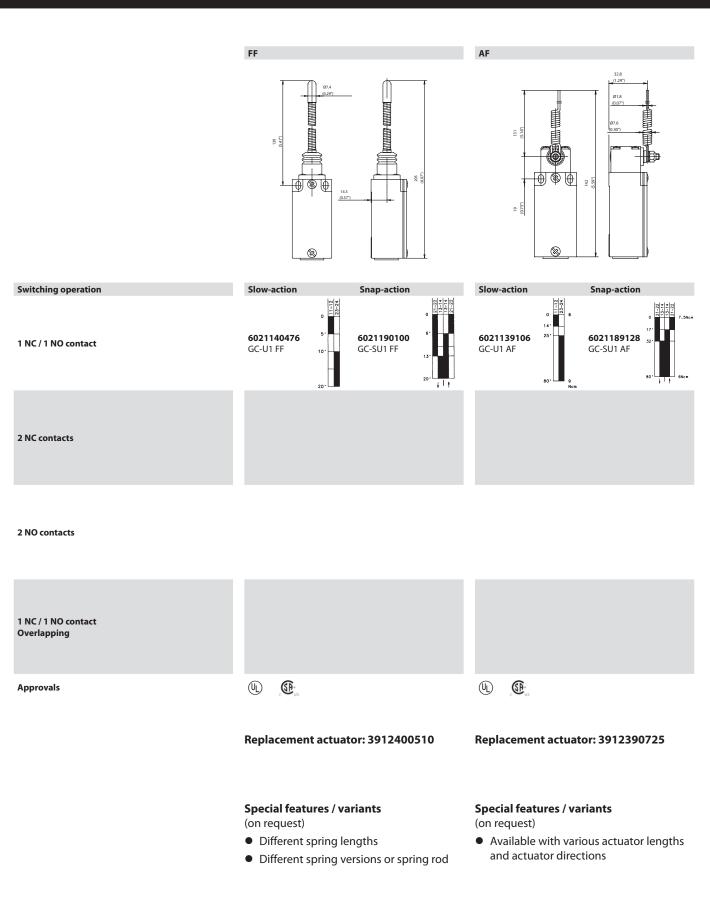
# **Special features / variants** (on request)

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

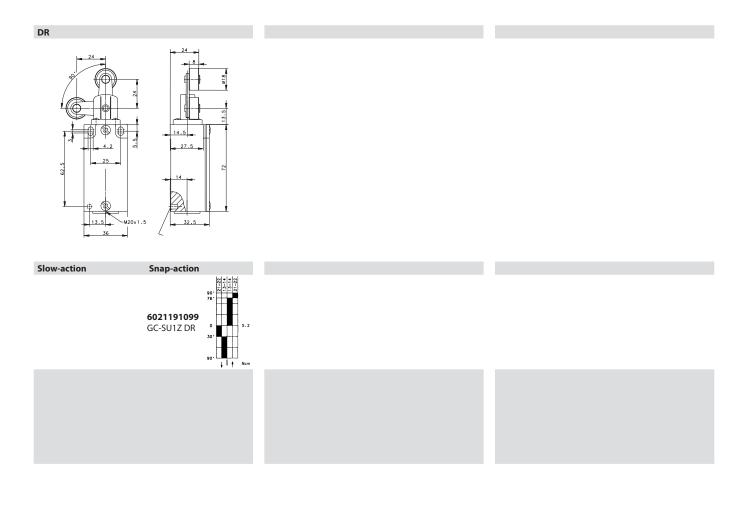
## Special features / variants

- (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)

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Replacement actuator: 3912410593

**Special features / variants** (on request)