

## Precision single hole fixing limit switches



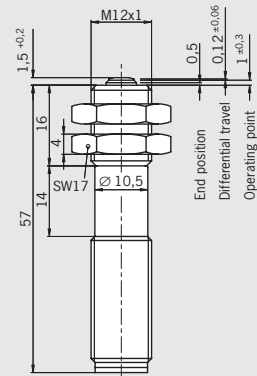
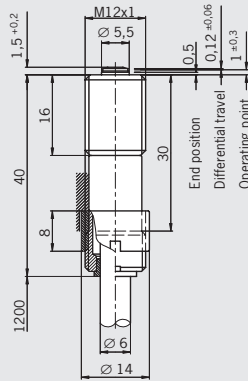
- ▶ With snap-action switching element
- ▶ Plunger material stainless steel
- ▶ Any installation position

**Design EGM12, M12 x 1, flat plunger**  
Connection cable, double insulated

**Design EGM12, M12 x 1, flat plunger**  
Plug connector M12

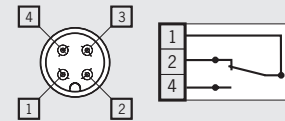
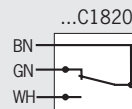
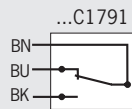


### Dimension drawings



⚠ Single hole fixing limit switches must not be used as an end stop.

### Wiring diagrams



### Technical data

	Stainless steel		Stainless steel	
	IP 65		IP 65	
Housing material	Stainless steel		Stainless steel	
Degree of protection according to IEC 60529	IP 65		IP 65	
Ambient temperature [°C]	-20 <sup>1)</sup> ...+80	-30...+80	-20...+80	-30...+85
Approach speed max. [m/min]	8		8	
Mechanical life (axial)	1 x 10 <sup>6</sup> operating cycles		1 x 10 <sup>6</sup> operating cycles	
Operating point accuracy <sup>2)</sup> [mm]	± 0.01		± 0.01	
Actuating force (end position) [N]	Approx. 16		Approx. 16	
Switching element	Snap-action switching contact		Snap-action switching contact	
Switching contact	1 changeover contact		1 changeover contact	
Contact material	Silver alloy, gold-plated		Silver alloy, gold-plated	
Rated insulation voltage U <sub>i</sub> [V]	250		50	
Rated impulse withstand voltage U <sub>imp</sub> [kV]	2.5		1.5	
Utilization category acc. to IEC 60947-5-1	AC-15 U <sub>e</sub> 230 V I <sub>e</sub> 0.5 A DC-13 U <sub>e</sub> 24 V I <sub>e</sub> 0.6 A		AC-15 U <sub>e</sub> 50 V I <sub>e</sub> 0.5 A DC-13 U <sub>e</sub> 24 V I <sub>e</sub> 0.6 A	
Switching current, min., at 24 V [mA]	10		10	
Switching voltage, min. [V DC]	12		12	
Short circuit protection (control circuit fuse) [A gG]	2		2	
Connection type	PUR cable 3x0.5 mm <sup>2</sup>	Silicone cable 3x0.5 mm <sup>2</sup>	Plug connector M12 <sup>3)</sup>	

1) Cable hard wired.

2) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2000 operating cycles.

3) For mating connector see page 46, 47 and 48.

### Ordering table

	075 556		076 464	
	EGM12-1200C1791		EGM12-1200C1820	
1 changeover contact	Connection cable 1.2 m	075 556 EGM12-1200C1791	076 464 EGM12-1200C1820	-
	Connection cable 2 m	-	-	-
	Connection cable 4 m	076 154 EGM12-4000C1791	-	-
	Connection cable 5 m	-	-	-
Plug connector	-	-	082 205 EGM12SEM4	093 733 EGM12SEM4C1820