Single hole fixing limit switches – cylindrical design

The round design with simple, single-hole assembly allows installation of the command switches directly at the scanning points. Exact adjustment is permitted by means of the precision metric thread. The limit switches with inert gas contact (reed contact) can be operated up to a water column pressure of 30 meters with degree of protection IP 68.

Features

- Six basic types M12 x 1 to M18 x 1.5
- Housing of nickel-plated brass or stainless steel
- Mechanical life up to 30 million operating cycles
- Degree of protection IP 68/IP 67
- Operating point accuracy ± 0.01 mm max.
- With hard-wired cable or with M12 plug connection
- Temperature range -30 °C to +120 °C

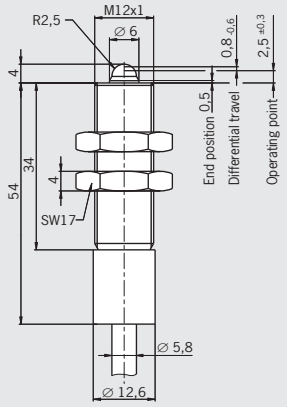
Precision single hole fixing limit switches

- **With reed contact and protective diode**
- **Plunger material stainless steel**
- **Any installation position**

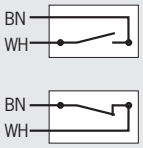
Ambient temperature up to 120 °C

Design EGT12, M12 x 1, dome plunger
Connecting cable, double insulated

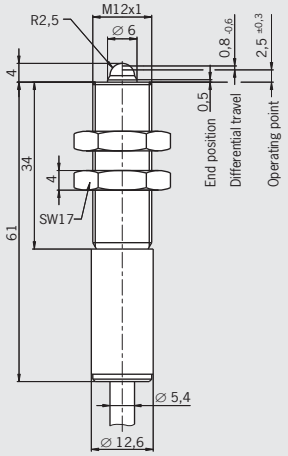
Dimension drawings

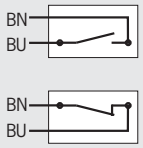


Wiring diagrams



Design EGT12, M12 x 1, dome plunger
Connecting cable, double insulated





⚠ Never switch incandescent lamps. Not even for test purposes.
Single hole fixing limit switches must not be used as an end stop.

Technical data

Housing material	Sleeve		Stainless steel	Plastic
	Threaded section		Stainless steel	Stainless steel
Degree of protection acc. to IEC 60529			IP 65	IP 68
Ambient temperature		[°C]	-25 [1] ... +120	-25 [1] ... +80
Approach speed, max.		[m/min]	8	8
Mechanical life	axial actuation		30 x 10^6 operating cycles (1 x 10^6 at 120 °C)	30 x 10^6 operating cycles
	radial actuation		-	1 x 10^6 operating cycles (dog 30°)
Operating point accuracy [2]		[mm]	± 0.01	± 0.01
Actuating force (end position)		[N]	Approx. 16 (3 on request)	Approx. 16 (3 on request)
Switching element			Reed contact	Reed contact
Switching contact			1 NO or 1 NC	1 NO or 1 NC
Contact material			Rhodium	Rhodium
Rated insulation voltage U_i		[V]	50 ⊡	50 ⊡
Utilization category acc. to IEC 60947-5-1			AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A	AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A
Switching current, min., at 24 V		[mA]	1	1
Switching voltage, min.		[V DC]	1	1
Short circuit protection (control circuit fuse)		[A gG]	0.4	0.4
Connection			Silicone cable 2 x 0.5 mm²	PUR cable 2 x 0.5 mm²

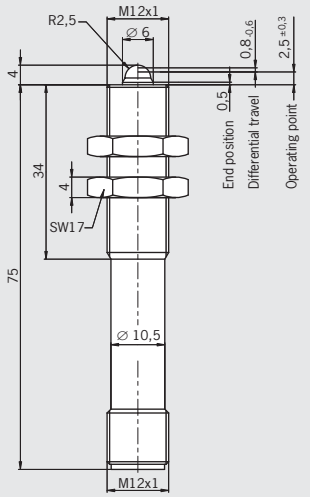
1) Cable hard wired.
2) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2,000 operating cycles.
3) Mating connector see page A-44 to A-46.

Ordering table

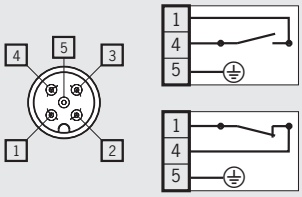
1 NO	Connecting cable 3 m	**104223** EGT12A3000C2250	-
	Connecting cable 5 m	-	**082201** EGT12A5000
	Plug connector	-	-
1 NC	Connecting cable 3 m	-	-
	Connecting cable 5 m	On request	**078848** EGT12R5000
	Plug connector	-	-

Design EGT12, M12 x 1, dome plunger
Plug connector M12 with PE connection

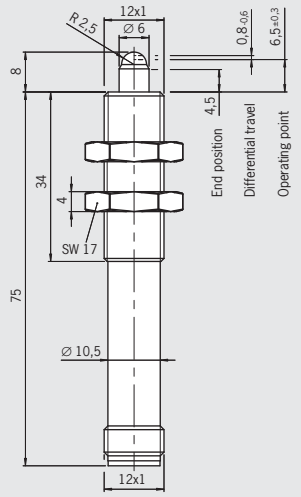
Dimension drawings

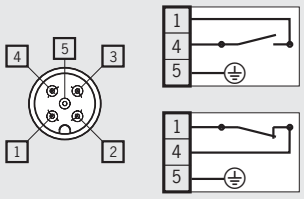


Wiring diagrams



Design EGT12, M12 x 1, dome plunger
Plug connector M12, long plunger





Brass, nickel-plated	Brass, nickel-plated
Stainless steel	Stainless steel
IP 67 Mating connector inserted and screwed tight	IP 67 Mating connector inserted and screwed tight
-25 … +80	-25 … +80
8	5
30 x 10^6 operating cycles	5 x 10^6 operating cycles
1 x 10^6 operating cycles (dog 30°)	
± 0.01	± 0.01
Approx. 16	Approx. 16
Reed contact	Reed contact
1 NO or 1 NC	1 NO or 1 NC
Rhodium	Rhodium
50	50
AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A	AC-12 U_e 30 V I_e 0.3 ADC-13 U_e 24 V I_e 0.3 A
1	1
1	1
0.4	0.4
Plug connector M12 [3]	Plug connector M12 [3]

-	-
-	-
075426 EGT12ASFM5	**095112** EGT12ASFM5C2083
-	-
-	-
075427 EGT12RSFM5	-

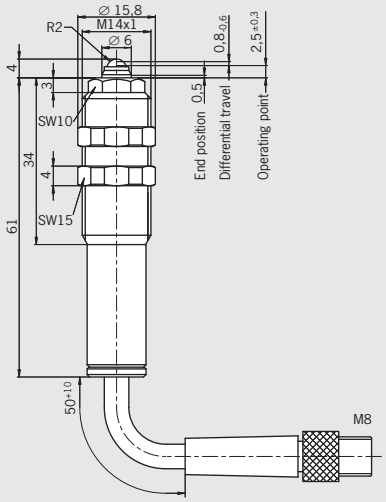
Precision single hole fixing limit switches

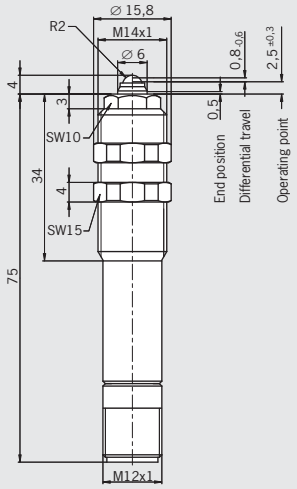
- **With reed contact and protective diode**
- **Plunger material stainless steel**
- **Any installation position**

Design EGT11, M14 x 1, ball plunger
Connecting cable 0.5 m with plug connector M8

Design EGT11, M14 x 1, ball plunger
Plug connector M12 with PE connection

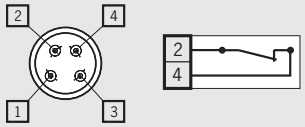
Dimension drawings

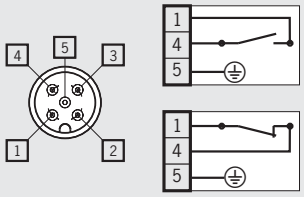




⚠ Never switch incandescent lamps. Not even for test purposes.
Single hole fixing limit switches must not be used as an end stop.

Wiring diagrams





Technical data

Housing material	Sleeve		Brass, nickel-plated	Brass, nickel-plated
	Threaded section		Stainless steel	Stainless steel
Degree of protection acc. to IEC 60529			IP 67 Mating connector inserted and screwed tight	IP 67 Mating connector inserted and screwed tight
Ambient temperature		[°C]	-5 ... +65	-25 ... +80
Approach speed, max.		[m/min]	60	60
Mechanical life	axial actuation		30 x 10^6 operating cycles	30 x 10^6 operating cycles
	radial actuation		-	5 x 10^6 operating cycles (dog 15°)
Operating point accuracy [2]		[mm]	± 0.01	± 0.01
Actuating force (end position)		[N]	Approx. 2	Approx. 3
Switching element			Reed contact	Reed contact
Switching contact			1 NC	1 NO or 1 NC
Contact material			Rhodium	Rhodium
Rated insulation voltage U_i		[V]	50	50
Utilization category acc. to IEC 60947-5-1			AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A	AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A
Switching current, min., at 24 V		[mA]	1	1
Switching voltage, min.		[V DC]	1	1
Short circuit protection (control circuit fuse)		[A gG]	0.4	0.4
Connection			Plug connector M8 [3]	Plug connector M12 [3]

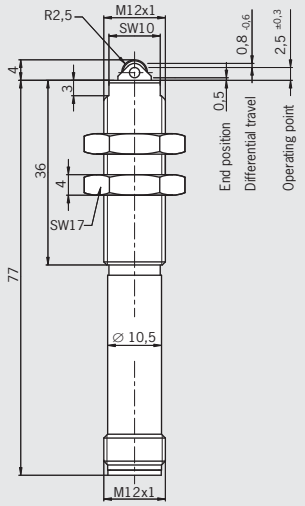
1) Cable hard wired.
2) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2,000 operating cycles.
3) Mating connector see page A-44 to A-46.

Ordering table

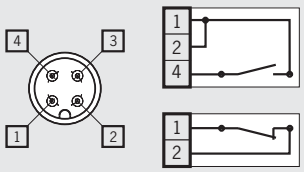
1 NO	Connecting cable 0.5 m with plug connector M8	-	-
	Connecting cable 5 m	-	-
	Plug connector	-	**093352** EGT11A2NSFM5
1 NC	Connecting cable 0.5 m with plug connector M8	**084000** EGT11R2N50SAM4	-
	Connecting cable 5 m	-	-
	Plug connector	-	**091848** EGT11R2NSFM5

Design EGT12, M12 x 1, roller plunger
Plug connector M12, double insulated

Dimension drawings



Wiring diagrams



Brass, nickel-plated
Stainless steel
IP 67 Mating connector inserted and screwed tight
-25 ... +80
20
30 x 10^6 operating cycles
± 0.01
Approx. 16
Reed contact
1 NO or 1 NC
Rhodium
50 ⧈
AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A
1
1
0.4
Plug connector M12 [3]

-
-
078483 EGT12ARSEM4C1888
-
-
079139 EGT12RRSEM4C1888

Precision single hole fixing limit switches

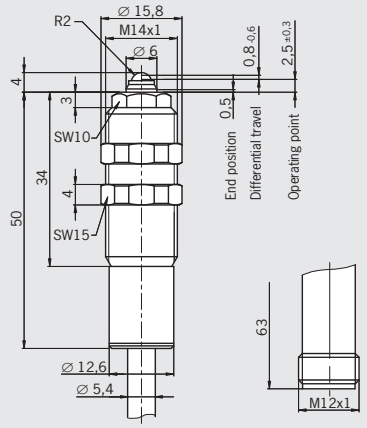
- **With reed contact**
- **Plunger material stainless steel**
- **Any installation position**

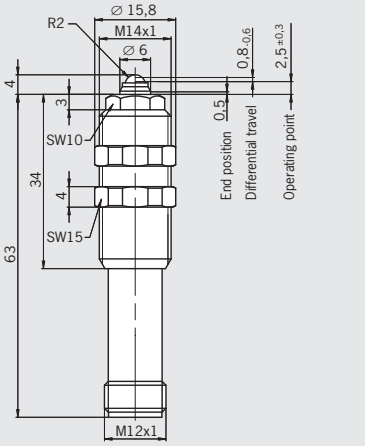
For mating connector with LED display

Design EGT1/4, M14 x 1, ball plunger
Connecting cable, double insulated/plug con. M12

Design EGT1/4, M14 x 1, ball plunger
Plug connector M12

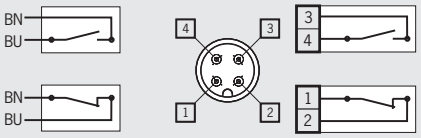
Dimension drawings

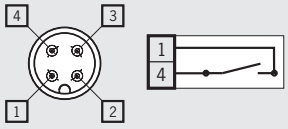




⚠ Never switch incandescent lamps. Not even for test purposes.
Single hole fixing limit switches must not be used as an end stop.

Wiring diagrams





Technical data

Housing material	Sleeve	Plastic	Brass, nickel-plated	Brass, nickel-plated
	Threaded section	Stainless steel		Stainless steel
Degree of protection acc. to IEC 60529		IP 68	IP 67 [4]	IP 67 Mating connector inserted and screwed tight
Ambient temperature	[°C]	-25 [1] … +80	-25 … +80	-25 … +80
Approach speed, max.	[m/min]	8		8
Mechanical life (axial)		30 x 10^6 operating cycles		30 x 10^6 operating cycles
Operating point accuracy [2]	[mm]	± 0.01		± 0.01
Actuating force (end position)	[N]	Approx. 16 / 3 on request		Approx. 16 / 3 on request
Switching element		Reed contact		Reed contact
Switching contact		1 NO or 1 NC		1 NO
Contact material		Rhodium		Rhodium
Rated insulation voltage U_i	[V]	250 ⧈	50	50
Utilization category acc. to IEC 60947-5-1	AC-12	U_e 230 V I_e 0.03 A	U_e 30 V I_e 0.3 A	AC-12 U_e 30 V I_e 0.3 A
	DC-13	U_e 24 V I_e 0.3 A	U_e 24 V I_e 0.3 A	DC-13 U_e 24 V I_e 0.3 A
Switching current, min., at 24 V	[mA]	1		1
Switching voltage, min.	[V DC]	1		1
Short circuit protection (control circuit fuse)	[A gG]	0.4		0.4
Connection		PUR cable 2 x 0.5 mm², encapsulated	Plug connector M12 [3]	Plug connector M12 [3]

1) Cable hard wired.
2) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2,000 operating cycles.
3) Mating connector see page A-44 to A-46.
4) Mating connector inserted and screwed tight

Ordering table

1 NO	Connecting cable 2 m	**001366** EGT1/4A2000	-
	Connecting cable 5 m	**001368** EGT1/4A5000	-
	Plug connector	**033976** EGT1/4ASEM4	**075644** EGT1/4ASEM4C1802
1 NC	Connecting cable 2 m	**001371** EGT1/4R2000	-
	Connecting cable 5 m	**001372** EGT1/4R5000	-
	Plug connector	**033982** EGT1/4RSEM4	-

Made of high-quality stainless steel

With scraper made of PU

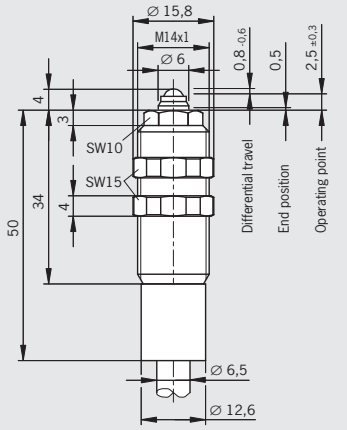
With scraper made of PU

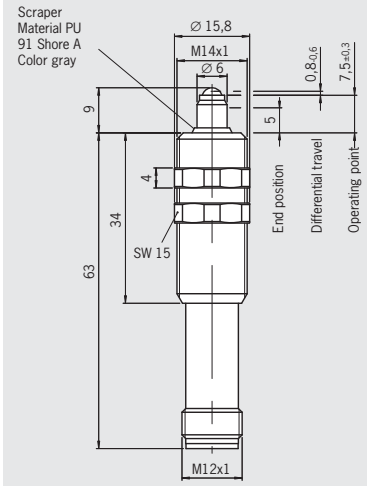
Design EGT1/4, M14 x 1, ball plunger
Connecting cable, max. pressure 300 kPa

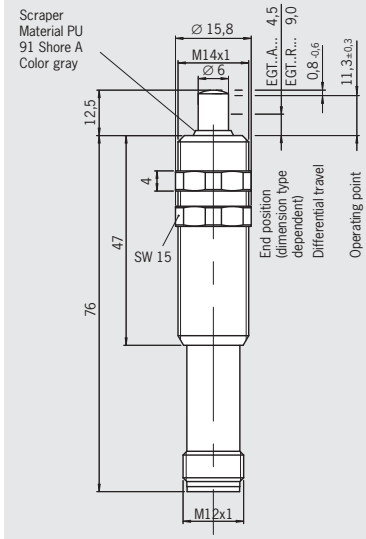
Design EGT1/4, M14 x 1, ball plunger
Plug connector M12

Design EGT1/4, M14 x 1, dome plunger
Plug connector M12

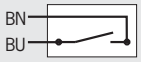
Dimension drawings

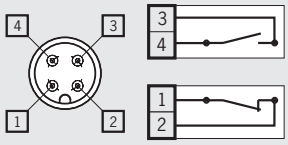


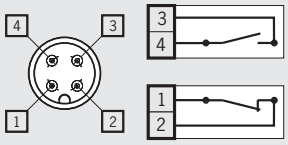




Wiring diagrams







High-quality stainless steel	Brass, nickel-plated	Brass, nickel-plated
	Stainless steel	Stainless steel
IP 68	IP 67 Mating connector inserted and screwed tight	IP 67 Mating connector inserted and screwed tight
-25 ... +80	-25 ... +80	-25 ... +80
8	Approx. 16	8
30 x 10^6 operating cycles	5 x 10^6 operating cycles	30 x 10^6 operating cycles
± 0.01	± 0.01	± 0.01
Approx. 16	Approx. 16	Approx. 16
Reed contact	Reed contact	Reed contact
1 NO	1 NO or 1 NC	1 NO or 1 NC
Rhodium	Rhodium	Rhodium
50	50	50
AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A	AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A	AC-12 U_e 30 V I_e 0.3 A DC-13 U_e 24 V I_e 0.3 A
1	1	1
1	1	1
0.4	0.4	0.4
Hydrofirm cable 2 x 0.5 mm², encapsulated	Plug connector M12 [3)]	Plug connector M12 [3)]

094982 EGT1/4A2000C2079	-	**102476** EGT1/4A2000C2137
-	-	-
-	**095278** EGT1/4ASEM4C2088	**098071** EGT1/4ASEM4C2137
-	-	-
-	-	-
-	**104316** EGT1/4RSEM4C2088	**104372** EGT1/4RSEM4C2137

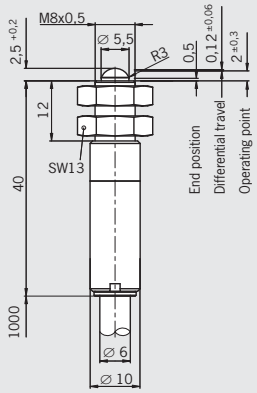
Precision single hole fixing limit switches

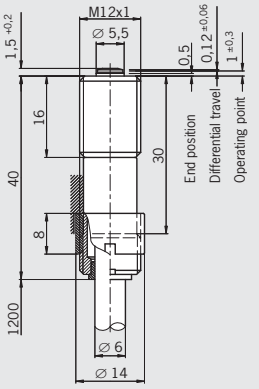
- **With snap-action switching element**
- **Plunger material stainless steel**
- **Any installation position**

Design EGM8, M8 x 0.5, dome plunger
Connecting cable, double insulated

Design EGM12, M12 x 1, flat plunger
Connecting cable, double insulated

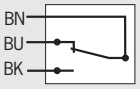
Dimension drawings





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

Wiring diagrams



Technical data

Housing material		Stainless steel	Stainless steel	
Degree of protection acc. to IEC 60529		IP 65	IP 65	
Ambient temperature	[°C]	-20 [1] ... +80	-20 [1] ... +80	-30 ... +80
Approach speed, max.	[m/min]	8	8	
Mechanical life (axial)		1 x 10^6 operating cycles	1 x 10^6 operating cycles	
Operating point accuracy [2]	[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		Fine silver, gold-plated	Silver alloy, gold-plated	
Rated insulation voltage U_i	[V]	250 ⧈	250 ⧈	
Rated impulse withstand voltage U_{imp}		2.5	2.5	
Utilization category acc. to IEC 60947-5-1		AC-15 U_e 230 V I_e 0.5 A DC-13 U_e 24 V I_e 0.6 A	AC-15 U_e 230 V I_e 0.5 A DC-13 U_e 24 V I_e 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		PUR cable 3 x 0.5 mm²	PUR cable 3 x 0.5 mm²	Silicone cable 3 x 0.5 mm²

1) Cable hard wired.
2) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2,000 operating cycles.
3) Mating connector see page A-44 to A-46.

Ordering table

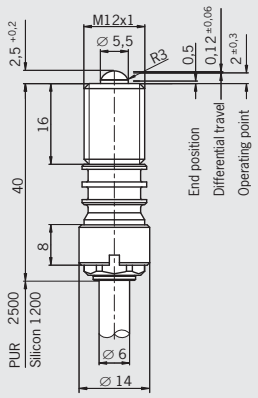
1 changeover contact	Connecting cable 1 m	**119345** EGM8-1000C2396	-	-
	Connecting cable1.2 m	-	**075556** EGM12-1200C1791	**076464** EGM12-1200C1820
	Connecting cable 2 m	-	-	-
	Connecting cable2.5 m	-	-	-
	Connecting cable 4 m	-	**076154** EGM12-4000C1791	-
	Connecting cable 5 m	-	-	-
	Plug connector	-	-	-

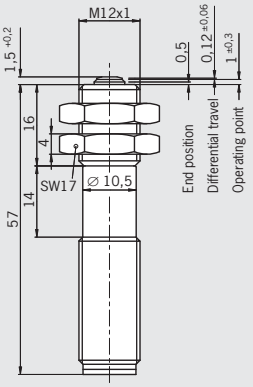
Design EGM12, M12 x 1, dome plunger
For sealing with O-rings

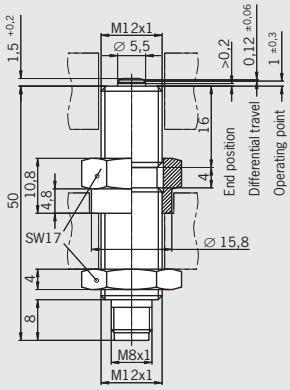
Design EGM12, M12 x 1, flat plunger
Plug connector M12

Design EGM12, M12 x 1, flat plunger
Plug connector M8

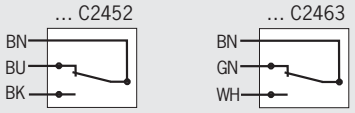
Dimension drawings

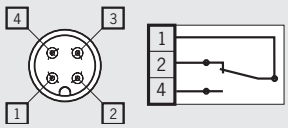


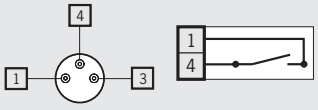




Wiring diagrams







Stainless steel		Stainless steel		Stainless steel
IP 65		IP 65 Mating connector inserted and screwed tight		IP 65 Mating connector inserted and screwed tight
-20 [1] ... +80	-30 ... +80	-20 ... +80	-30 ... +85	-20 ... +85
8		8		8
1 x 10^6 operating cycles		1 x 10^6 operating cycles		1 x 10^6 operating cycles
± 0.01		± 0.01		± 0.01
Approx. 16		Approx. 16		Approx. 16
Snap-action switching contact		Snap-action switching contact		Snap-action switching contact
1 changeover contact		1 changeover contact		1 NO
Fine silver, gold-plated		Silver alloy, gold-plated		Silver alloy, gold-plated
250 ⧈		50		50
2.5		1.5		1.5
AC-15 U_e 230 V I_e 0.5 A DC-13 U_e 24 V I_e 0.6 A		AC-15 U_e 50 V I_e 0.5 A DC-13 U_e 24 V I_e 0.6 A		AC-15 U_e 24 V I_e 0.5 A DC-13 U_e 24 V I_e 0.6 A
10		10		10
12		12		12
2		2		2
PUR cable 3 x 0.5 mm²	Silicone cable 3 x 0.5 mm²	Plug connector M12 [3]		Plug connector M8 [3]

-	-	-	-	-
-	**128196** EGM12-1200C2463	-	-	-
-	-	-	-	-
126384 EGM12-2500C2452	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	**082205** EGM12SEM4	**093733** EGM12SEM4C1820	**077228** EGM12SAM3C1868

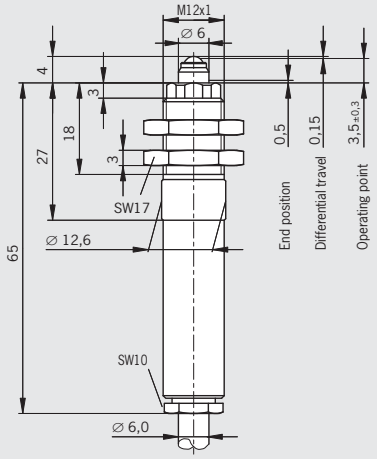
Precision single hole fixing limit switches

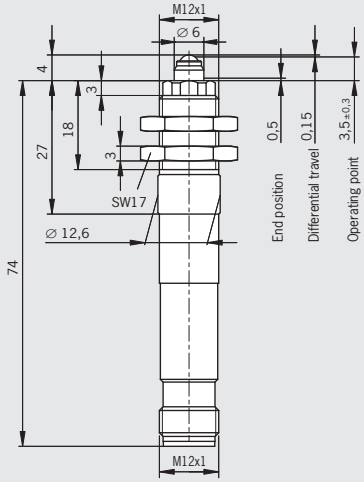
- **With snap-action switching element**
- **Plunger material stainless steel**
- **Any installation position**

Design EGT1, M12 x 1, ball plunger
Connecting cable with PE connection

Design EGT1, M12 x 1, ball plunger
Plug connector M12

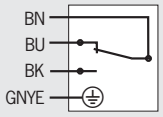
Dimension drawings

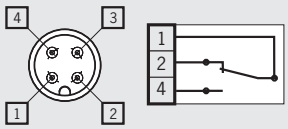




⚠ Single hole fixing limit switches must not be used as an end stop.

Wiring diagrams





Technical data

Housing material		Brass, nickel-plated	Brass, nickel-plated
Degree of protection acc. to IEC 60529		IP 67	IP 67 Mating connector inserted and screwed tight
Ambient temperature	[°C]	-25 [1] ... +80	-25 ... +80
Approach speed, max.	[m/min]	8	8
Mechanical life (axial)		1 x 10^6 operating cycles	1 x 10^6 operating cycles
Operating point accuracy [2]	[mm]	± 0.01	± 0.01
Actuating force (end position)	[N]	Approx. 20	Approx. 20
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_i	[V]	250	50
Rated impulse withstand voltage U_{imp}		2.5	2.5
Utilization category acc. to IEC 60947-5-1		AC-15 U_e 230 V I_e 0.5A DC-13 U_e 24 V I_e 0.6 A	AC-15 U_e 50 V I_e 0.5 A DC-13 U_e 24 V I_e 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		PUR cable 4 x 0.5 mm²	Plug connector M12 [3]

1) Cable hard wired.
2) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2,000 operating cycles.
3) Mating connector see page A-44 to A-46.

Ordering table

1 changeover contact	Connecting cable 2 m	**092695** EGT1M12-2000	-
	Connecting cable 5 m	**093364** EGT1M12-5000	-
	Plug connector	-	**093365** EGT1M12SEM4

Precision single hole fixing limit switches

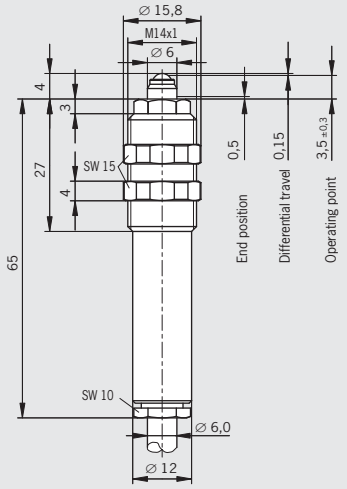
- **With snap-action switching element**
- **Plunger material stainless steel**
- **Any installation position**

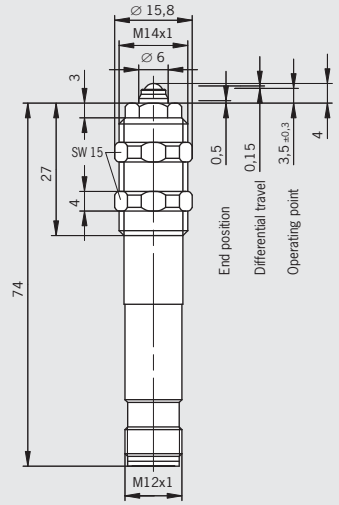
⚠ Single hole fixing limit switches must not be used as an end stop.

Design EGT1, M14 x 1, ball plunger
Connecting cable with PE connection

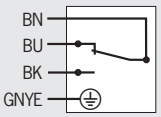
Design EGT1, M14 x 1, ball plunger
Plug connector M12

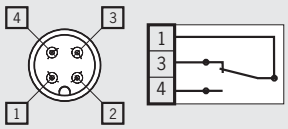
Dimension drawings





Wiring diagrams





Technical data

Housing material		Brass, nickel-plated	Brass, nickel-plated
Degree of protection acc. to IEC 60529		IP 67	IP 67 Mating connector inserted and screwed tight
Ambient temperature	[°C]	-25 [1] ... +80	-25 ... +80
Approach speed, max.	[m/min]	8	8
Mechanical life (axial)		1 x 10^6 operating cycles	1 x 10^6 operating cycles
Operating point accuracy [2]	[mm]	± 0.01	± 0.01
Actuating force (end position)	[N]	Approx. 20	Approx. 20
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_i	[V]	250	50
Rated impulse withstand voltage U_{imp}		2.5	2.5
Utilization category acc. to IEC 60947-5-1		AC-15 U_e 230 V I_e 0.5 A DC-13 U_e 24 V I_e 0.6 A	AC-15 U_e 50 V I_e 0.5 A DC-13 U_e 24 V I_e 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		PUR cable 4 x 0.5 mm²	Plug connector M12 [3]

1) Cable hard wired.
2) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2,000 operating cycles.
3) Mating connector see page A-44 to A-46.

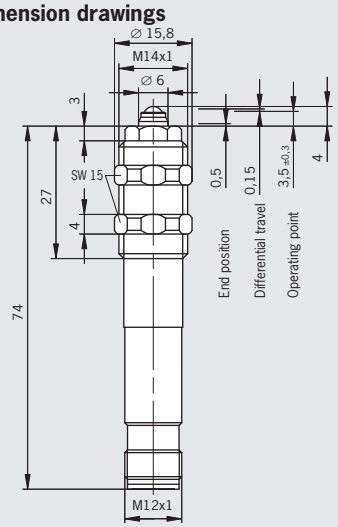
Ordering table

1 changeover contact	Connecting cable 2 m	**001732** EGT1-2000	-
	Connecting cable 5 m	**001733** EGT1-5000	-
	Plug connector	-	**019727** EGT1SEM4

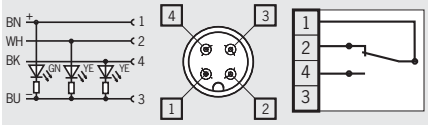
For plug connector with LED display

Design EGT1, M14 x 1, ball plunger
Plug connector M12

Dimension drawings



Wiring diagrams

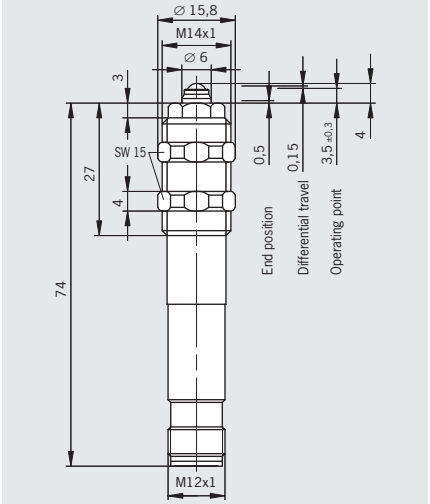


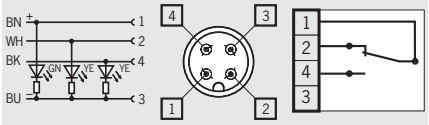
Brass, nickel-plated
IP 67 Mating connector inserted and screwed tight
-25 … +80
8
1 x 10^6 operating cycles
± 0.01
Approx. 20
Snap-action switching contact
1 changeover contact
Silver alloy, gold-plated
50
2.5
DC-13 U_e 24 V I_e 0.6 A
10
12
2
Plug connector M12 [3]

-
-
054250 EGT1SEM4C1613

For plug connector with LED display

Design EGT1, M14 x 1, ball plunger
Plug connector M12



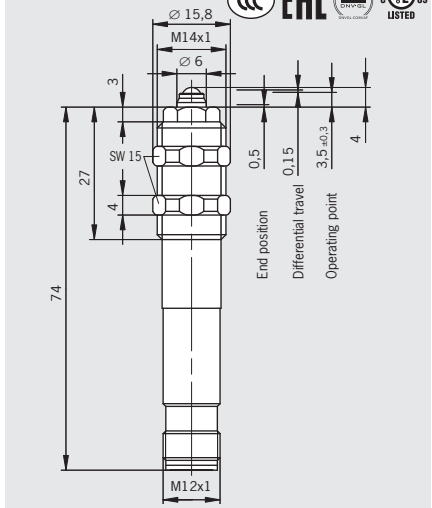


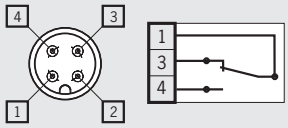
Brass, nickel-plated
IP 67 Mating connector inserted and screwed tight
-5 … +80
8
1 x 10^6 operating cycles
± 0.01
Approx. 20
Snap-action switching contact
1 changeover contact
Silver alloy, gold-plated
50
2.5
AC-15 U_e 50 V I_e 0.5 ADC-13 U_e 24 V I_e 0.6 A
10
12
2
Plug connector M12 [3]

-
-
102479 EGT1SEM4C2221

Suitable for aggressive coolant; diaphragm made of Viton

Design EGT1, M14 x 1, ball plunger
Plug connector M12





Brass, nickel-plated
IP 67 Mating connector inserted and screwed tight
-5 … +80
8
1 x 10^6 operating cycles
± 0.01
Approx. 20
Snap-action switching contact
1 changeover contact
Silver alloy, gold-plated
50
2.5
AC-15 U_e 50 V I_e 0.5 ADC-13 U_e 24 V I_e 0.6 A
10
12
2
Plug connector M12 [3]

-
-
077347 EGT1SEM4C1832

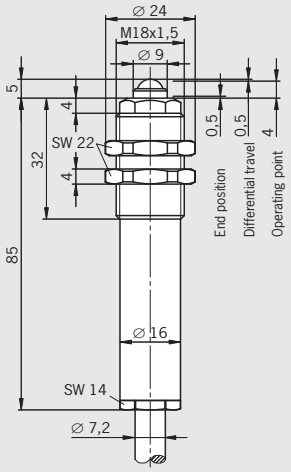
Precision single hole fixing limit switches

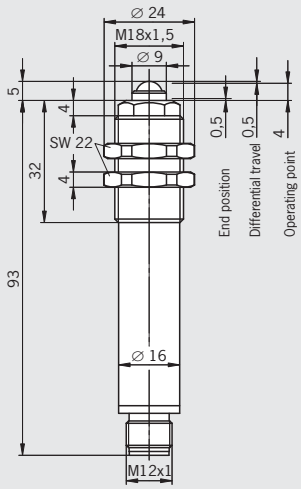
- **With snap-action switching element**
- **Plunger material stainless steel**
- **Any installation position**

Design EGT2, M18 x 1.5, ball plunger
Connecting cable with PE connection

Design EGT2, M18 x 1.5, ball plunger
Plug connector M12

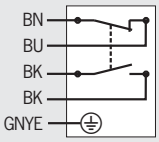
Dimension drawings

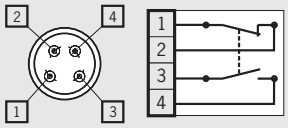




⚠ Single hole fixing limit switches must not be used as an end stop.

Wiring diagrams





Technical data

		Design EGT2, M18 x 1.5, ball plunger, Connecting cable with PE connection	Design EGT2, M18 x 1.5, ball plunger, Plug connector M12
Housing material		Brass, nickel-plated	Brass, chromium-plated
Degree of protection acc. to IEC 60529		IP 67	IP 67 Mating connector inserted and screwed tight
Ambient temperature	[°C]	-5 … +60	-5 … +60
Approach speed, max.	[m/min]	10	10
Mechanical life		1 x 10^6 operating cycles	1 x 10^6 operating cycles
Operating point accuracy [1]	[mm]	± 0.01	± 0.01
Actuating force (end position)	[N]	Approx. 24	Approx. 24
Switching element		Snap-action switching contact	Snap-action switching contact
Switching contact		1 NC and 1 NO	1 NC and 1 NO
Contact material		Fine silver, gold-plated	Fine silver, gold-plated
Rated insulation voltage U_i	[V]	250	50
Rated impulse withstand voltage U_{imp}		2.5	2.5
Utilization category acc. to IEC 60947-5-1		AC-15 U_e 230 V I_e 2 A DC-13 U_e 24 V I_e 1 A	AC-15 U_e 30 V I_e 2 A DC-13 U_e 24 V I_e 1 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		PUR cable 5 x 0.75 mm²	Plug connector M12 [2]

1) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2,000 operating cycles.
2) Mating connector see page A-44 to A-46.

Ordering table

1 NC + 1 NO	Connecting cable 2 m	**001864** EGT2-2000	-
	Connecting cable 5 m	**001865** EGT2-5000	-
	Plug connector	-	**052504** EGT2SEM4

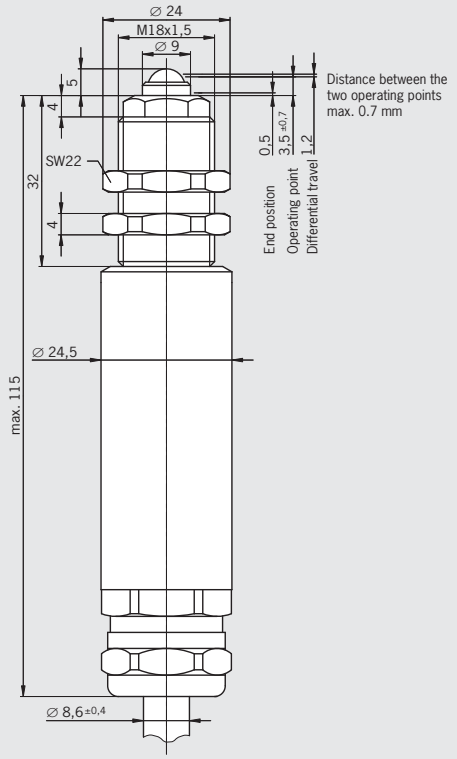
Precision single hole fixing limit switches

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

With four switching contacts

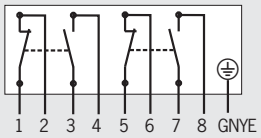
Design EGT4, M18 x 1.5, ball plunger
Connecting cable with PE connection

Dimension drawings



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

Wiring diagrams



Technical data

Housing material		Brass, nickel-plated
Degree of protection acc. to IEC 60529		IP 67
Ambient temperature	[°C]	-25 [1] ... +70
Approach speed, max.	[m/min]	10
Mechanical life		5 x 10^5 operating cycles
Operating point accuracy [2]	[mm]	± 0.01
Actuating force (end position)	[N]	Approx. 25
Switching element		Snap-action switching contact
Switching contact		2 NC and 2 NO
Contact material		Fine silver, gold-plated
Rated insulation voltage U_i	[V]	250
Rated impulse withstand voltage U_{imp}		2.5
Utilization category acc. to IEC 60947-5-1		AC-15 U_e 230 V I_e 2 A DC-13 U_e 24 V I_e 1 A
Switching current, min., at 24 V	[mA]	10
Switching voltage, min.	[V DC]	12
Short circuit protection (control circuit fuse)	[A gG]	2
Connection		PUR cable 9 x 0.5 mm²

1) Cable hard wired.

2) The reproducible operating point accuracy relates to axial actuation, after run-in of approx. 2,000 operating cycles.

Ordering table

2 NC + 1 NO	Connecting cable 2 m	**094339** EGT4-2000
	Connecting cable 5 m	**092026** EGT4-5000
	Connecting cable 10 m	**093967** EGT4-10000

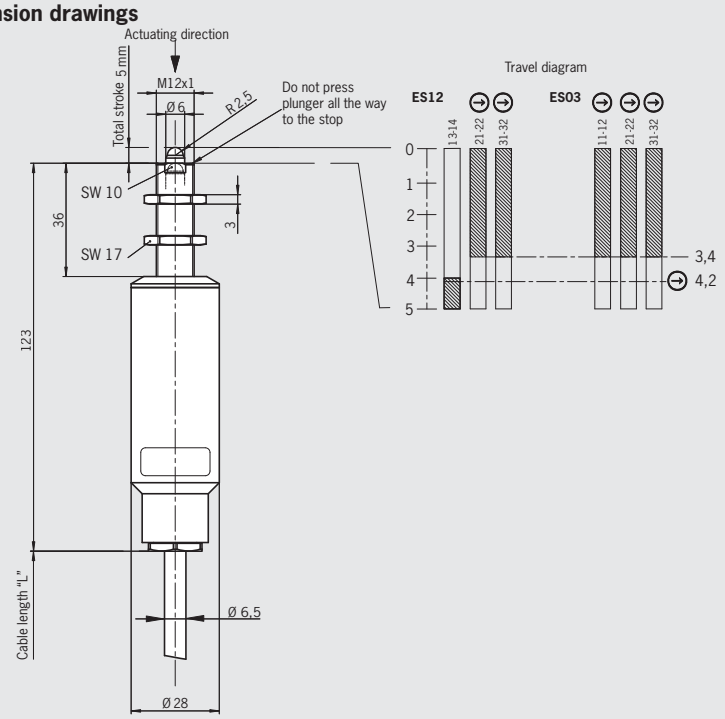
Precision single hole fixing limit switches

- **With slow-action switching element**
- **Plunger and housing made of high-quality stainless steel**
- **Any installation position**
- **Threaded section M12 x 1**

Switching element, with three switching contacts

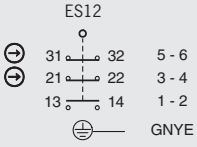
Design EGZ12, M12 x 1, dome plunger
Connecting cable with PE connection

Dimension drawings



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

Wiring diagrams



Technical data

Housing material		Stainless steel
Plunger material		Stainless steel 60 HRC hardened and polish-ground
Degree of protection acc. to IEC 60529		IP 67
Ambient temperature	[°C]	-20 [1] ... +80
Approach speed, max.	[m/min]	8
Mechanical life		3 x 10^6 operating cycles
Actuating force at 20 °C	[N]	< 16
Switching element		Slow-action switching contact
Switching contact		See travel diagram
Contact material		Silver alloy, gold flashed
Rated insulation voltage U_i	[V]	250
Rated impulse withstand voltage U_{imp}		2.5
Utilization category acc. to IEC 60947-5-1		AC-15 U_e 230 V I_e 4 A DC-13 U_e 24 V I_e 4 A
Switching current, min., at 24 V	[mA]	1
Switching voltage, min.	[V DC]	12
Short circuit protection (control circuit fuse)	[A gG]	4
Connection		PUR cable 7 x 0.5 mm²

1) Cable hard wired.

Ordering table

Connecting cable	ES12
Connecting cable 5 m	**094823** EGZ12-12-5000