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KISSLING TOGGLE SWITCH

Series 07 - from TE Connectivity (TE)

Quality Switch

The KISSLING toggle switches from TE Connectivity's product family have been developed under strict guidelines to meet international standards.

This series of toggle switches is mainly used as robust, industrial and durable control switches in commercial vehicles. The housing of the Series 07 is made of thermoplastic and meets IP65/IP6K5 protection class standards.

All these switches are sealed themselves and we offer additional sealing rings for improved mounting solutions and optional bellows for the handles. Our broad selection of toggles includes many options for switching configuration, termination type, load carrying capabilities and locking combinations.

TE Connectivity provides switches both with and without switch guards to prevent accidental switching, as well as individual switches and complete switch assemblies with additional sealed housings for simplified vehicle assembly procedures.

Features

- High quality silver alloy or gold plated contacts
- Sealing technology meets IP65/IP6K5
- 2- and 3-position switch actions
- Variety of available switching styles
- Locking options for individual needs

Applications

- Truck
- Bus
- Construction machinery
- Aviation ground support equipment
- Plant and industrial engineering
- Medical equipment

KISSLING TOGGLE SWITCH

Series 07

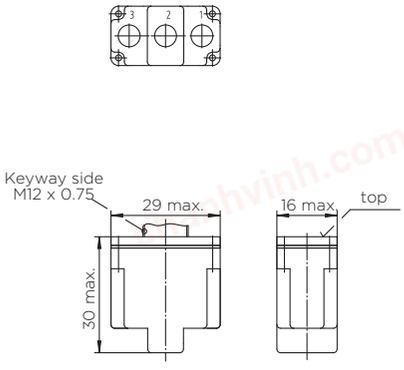
Specification

Technical Data

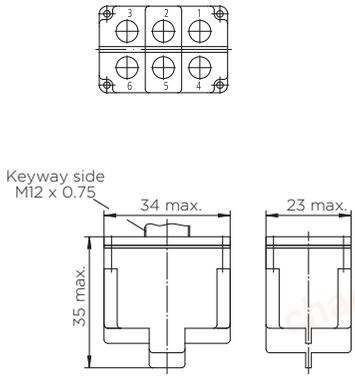
Housing Material	Thermoplast GF
Construction iaw	IEC 1 020
Seal **Connection**	IP65 IEC 60529 / IP6K5 DIN 40050 part 9 / IP6K5 ISO 20653 IP00 IEC 60529 / IP00 DIN 40050 part 9 / IP00 ISO 20653
Current carrying parts	CuZn-alloy
Contact material	Silver-alloy or gold plated contacts
Temperature range	-35˚C to +60˚C
Electrical life (nominal load)	100.000 cycles
Nominal voltage / **Continuous current**	12VDC, 20A ohmic load 28VDC, 20A ohmic load 28VDC, 15A L/R = 5msec inductive load 115VAC, 15A inductive load
Min. switching capacity	12VDC, 20mA

Technical drawings

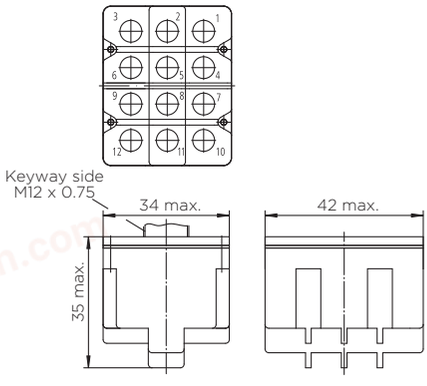
1 Pole



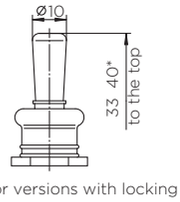
2 Pole



4 Pole

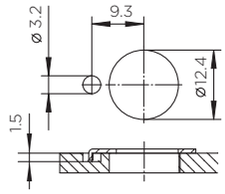


Type with bellows for use in severe conditions depending on specific environmental application:
CR-Neoprene ...933
FVMQ-Fluorsilicone ...955

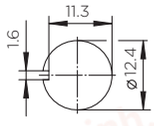


* valid for versions with locking

Mounting Detail:
with Locking Ring

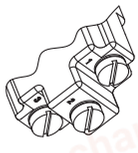


Mounting Detail:
without Locking Ring

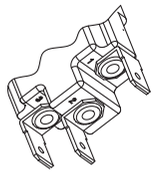


Connection

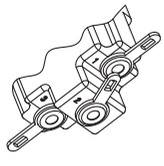
Screws M 3,5 x 6 - ISO 1580



FASTON DIN 46 244 - A 6,3 - 0,8
for receptacles



Soldering terminal to AWG 14



KISSLING TOGGLE SWITCH

Series 07

Switching Styles

Switching Styles	1-pole Toggle position in			2-pole Toggle position in			4-pole Toggle position in		
	keyway side	center	opposite keyway side	keyway side	center	opposite keyway side	keyway side	center	opposite keyway side
10	0	-	2-3	0 0	-	2-3 5-6	0 0 0 0	-	2-3 5-6 8-9 11-12
11	0 *	-	2-3	0 * 0	-	2-3 5-6	0 0 0 * 0	-	2-3 5-6 8-9 11-12
12	1-2 *	-	0	1-2 * 4-5	-	0 0	1-2 4-5 7-8 * 10-11	-	0 0 0 0
13	1-2	-	2-3	1-2 4-5	-	2-3 5-6	1-2 4-5 7-8 10-11	-	2-3 5-6 8-9 11-12
14	1-2 *	-	2-3	1-2 * 4-5	-	2-3 5-6	1-2 4-5 7-8 * 10-11	-	2-3 5-6 8-9 11-12
15	1-2	0	2-3	1-2 4-5	0 0	2-3 5-6	1-2 4-5 7-8 10-11	0 0 0 0	2-3 5-6 8-9 11-12
16	1-2 *	0	2-3	1-2 * 4-5	0 0	2-3 5-6	1-2 4-5 7-8 * 10-11	0 0 0 0	2-3 5-6 8-9 11-12
17	1-2 *	0	2-3 *	1-2 * 4-5	0 0	2-3 * 5-6	1-2 4-5 7-8 * 10-11	0 0 0 0	2-3 5-6 8-9 * 11-12
18	1-2	1-2	2-3	1-2 4-5	1-2 4-5	2-3 5-6	1-2 4-5 7-8 10-11	1-2 4-5 7-8 10-11	2-3 5-6 8-9 11-12
19	1-2	1-2	2-3 *	1-2 4-5	1-2 4-5	2-3 * 5-6	1-2 4-5 7-8 10-11	1-2 4-5 7-8 10-11	2-3 5-6 8-9 * 11-12
20				1-2 4-5	1-2 5-6	2-3 5-6	1-2 4-5 7-8 10-11	2-3 4-5 0 0	2-3 5-6 8-9 11-12
21				1-2 4-5	⌐1-2 5-6¬	2-3 5-6			
22				1-2 * 4-5	1-2 5-6	2-3 * 5-6	1-2 4-5 7-8 * 10-11	2-3 4-5 0 0	2-3 5-6 8-9 * 11-12
23	1-2	2-3	2-3	1-2 4-5	2-3 4-5	2-3 5-6	1-2 4-5 7-8 10-11	2-3 4-5 7-8 11-12	2-3 5-6 8-9 11-12
24				1-2 4-5	1-2 5-6	2-3 * 5-6			
25				1-2 * 4-5	1-2 5-6	2-3 5-6	1-2 4-5 7-8 * 10-11	2-3 4-5 7-8 11-12	2-3 5-6 8-9 11-12
26							⌐1-2 4-5 7-8 10-11¬	⌐2-3 4-5 7-8 11-12¬	⌐2-3 5-6 8-9 11-12¬
27							1-2 4-5 7-8 * 10-11	2-3 4-5 7-8 11-12	2-3 5-6 8-9 * 11-12

⌐¬ = Bridge / * These positions are only momentary. All others are maintained.

Ordering Information

Part Number

example: 07.1.2.15 A 933

07._._.__ _ ___

No. Poles

1	1 pole
2	2 pole
4	4 pole

Connection

1	Screws M 3,5 x 6 - ISO 1580
2	Faston DIN 46 244 - A6,3 - 0,8
3	Soldering terminal to AWG 14

Types with bellows

933	CR-Neoprene
955	FVMQ- Fluorsilicone

Available locking options

_	Select on page 4

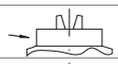
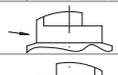
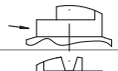
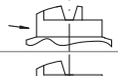
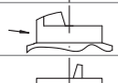
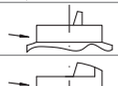
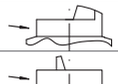
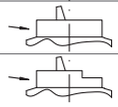
Switching styles

__	Select on page 3

KISSLING TOGGLE SWITCH

Series 07

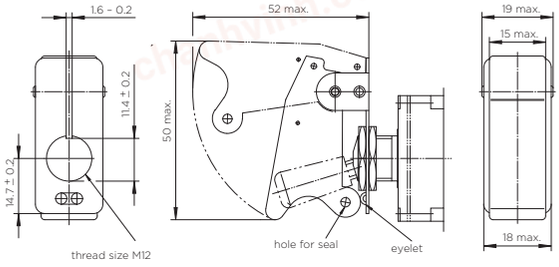
Locking options

Available locking combinations		Toggle position in keyway side	Toggle position in center	Toggle position in opposite keyway side	recommended for switching style
A		locked	locked	locked	15, 18, 20, 21, 23, 26
B		locked	locked	locked out	15, 18, 19, 20, 21, 23, 24, 26
D		locked	locked out	locked	10, 13
E		locked out	locked	locked out	15 - 27
F		locked out	locked out	locked	10, 11, 12, 13, 14
G		locked	locked out	locked out	10, 13
K		locked out	locked	locked	15, 16, 18, 20, 21, 23, 25, 26
L		locked out	locked to keyway side	locked out	15 - 27
M		locked out	locked to opposite keyway side	locked out	15, 16, 18, 20, 21, 23, 25, 26
N		locked out	locked to opposite keyway side	locked out	15 - 27
P		locked	locked to keyway side	locked out	15, 18, 19, 20, 21, 23, 24, 26
T		locked	locked from middle to keyway side	locked from opposite keyway side to middle	15, 18, 20, 23, 26

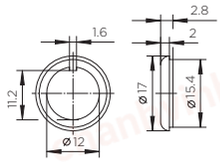
→ = keyway side

Accessories

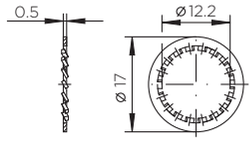
Switch Guard:
Prevent accidental switching of toggle



Seal ring: 08.0.0.50
For sealing of mounting hole

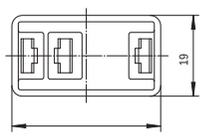


Tooth lock washer



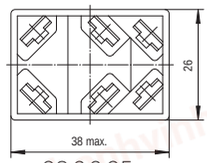
Receptacle:
For quick connection, increase safety and prevents from contact the fasteners (IP20)
Inverse-polarity protection.
Available for switches with faston connection

1- POLE
(Tiefe 41,5 | depth 41,5)



08.1.2.05

2- POLE
(Tiefe 41,5 | depth 41,5)



08.2.2.05

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