



## KISSLING E-STOP

Series ES - from TE Connectivity (TE)

### Quality Safety Switch

It doesn't matter whether you call it an e-stop, emergency stop, emergency switch or e-stop switch, we have the right switch for your application. Our selection of sealed safety and emergency stop (e-stop) switches have been designed and manufactured to the highest quality standards. In addition to classic applications on emergency vehicles, work trucks, off road equipment and heavy machinery, the e-stop application area also covers the complete e-mobility market including charging stations.

### Compact, sealed and ruggedized

The ES series is a compact, sealed and ruggedized switch with small dimensions and a high resistance to shock, vibration, dust and moisture. These characteristics are important for safe and reliable switching. Thanks to our IP6K9K sealed switch, no additional protection such as a box or enclosure is required. It is a plug and play system which can be used in hazardous environments. Safety related switching applications are no place to compromise on quality.

### Features

- Sealed housing conforms to IP6K9K
- 1-, 2- and 3-pole versions NO/NC
- 2-pole change-over version
- Continuous current up to 10 A
- Up to 40.000 cycles mechanical life

### Applications

- E-mobility charging station
- Commercial vehicles
- Off-Road vehicles
- Lifting vehicles
- Construction and agricultural vehicles
- Hydraulic systems
- Remote control panels

# KISSLING E-STOP

Series ES

## Specification

### Technical Data

Protection	IEC 60529 IP67 and IP6K9K
Temperature range	-40°C to +85°C
Material terminals	CuZn
Thread sizes / Torque	M30 x 1,5 = max. 6Nm



### Mechanical Data (Change-over)

Locking	EN 60947-5-5
Positive opening operation	EN 60947-5-5
Operating force	20 - 50N
Torque knob max.	3Nm
Current carrying parts	Cu-alloy
Contact material	Ag-alloy
Mechanical life	40.000 cycles
Frequency	max. 100/min.

### Electrical data

Voltage range	9-32VDC
Nominal voltage	12VDC / 24VDC
Dielectric withstanding voltage	1050VAC up to 1min.
Contact resistance	max. 50mΩ
Insulation resistance	> 100MΩ at 500VDC
Continuous current	10mA - 10A
Current max.	10.1A
Switching capacity min.	12VDC, 10mA
Short circuit protection	Automotive fast-acting fuse 10A

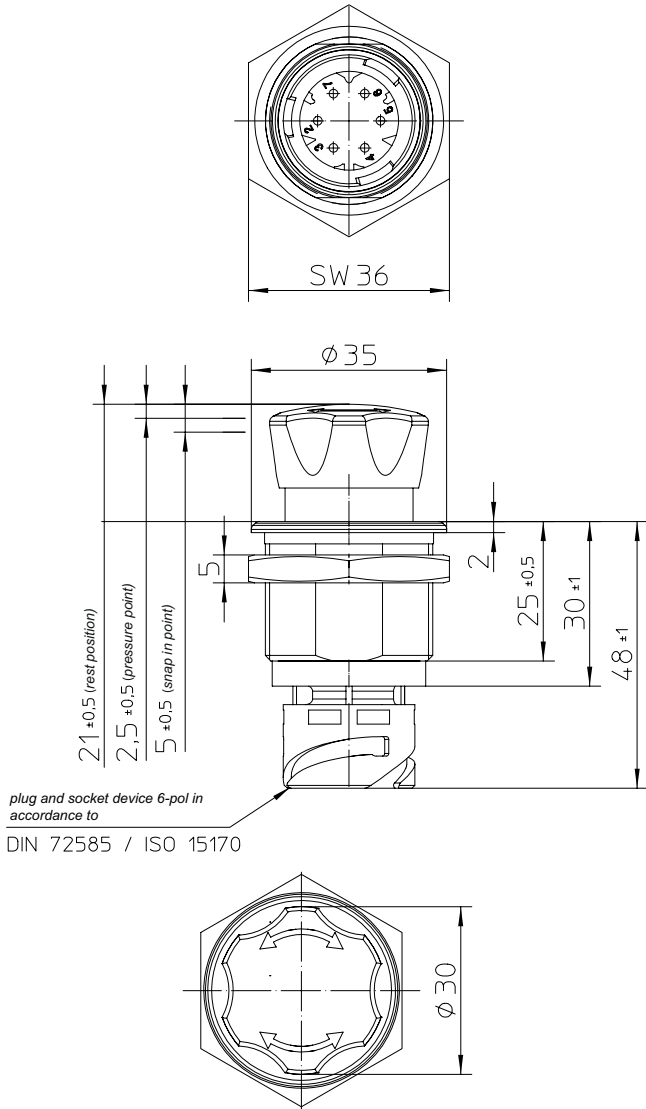
## Accessories

Description	Part Number
Actuation protection	 24-63-029
Symbol label	 24-63-024 de/en      24-63-040 blank

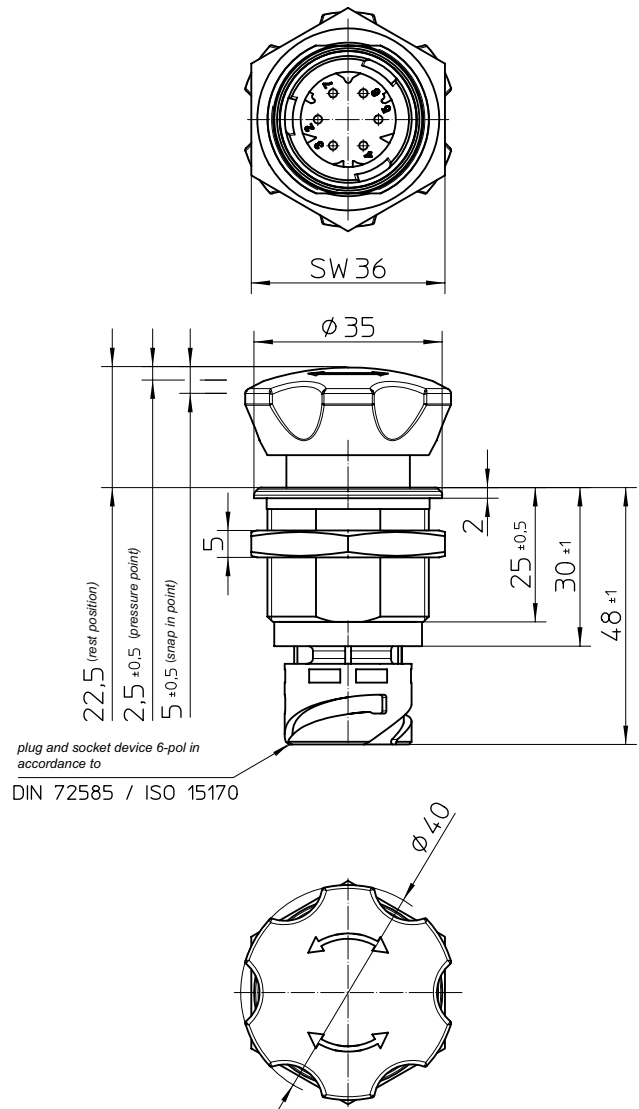


### Technical drawings

Product sample ES-2012-T111



Product sample ES-2012-T112



### Connectors

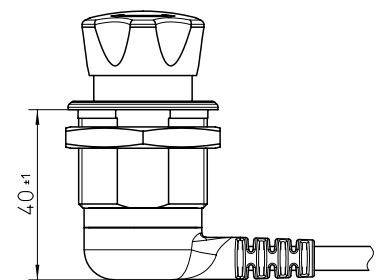
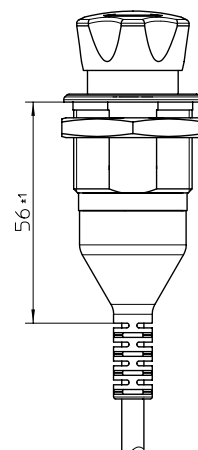
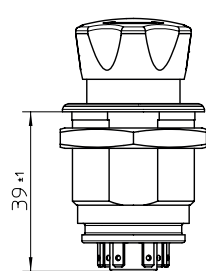
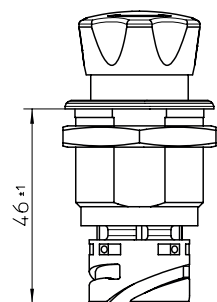
Bayonet connection

DIN 72585/ ISO 15170-A1-2.1-Ag/K1

FASTON connection

Cable connection axial

Cable connection laterally



### Ordering Information

**Part Number**  
example: ES - 2 003-T412-020 C  
ES - \_ - \_ - \_ - \_ - \_ - \_ - \_

**Connector Information**  
\_ on request

**Cable length (in cm)**  
\_\_\_ on request

**Actuator size**

1	30 Ø
2	40 Ø

**Illumination**

1	no
2	yes

**Connector**

1	plug and socked device
2	FASTON connection
3	cable connection axial
4	cable connection laterally

**Housing**

2	Central thread
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**Switching Funktion**

# Pin	amount NO/NC contacts (3 Pin) 1/2
# Pin	amount NO contacts (2 Pin) 1 - 3
# Pin	amount NC contacts (2 Pin) 1 - 3

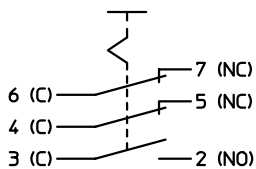
\* Bayonet Connection = max. 6 Pins / Faston Connection = max. 7 Pins

**Actuator Symbol**

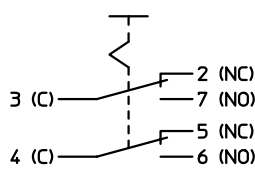
T	arrow
A	motor

### Circuits

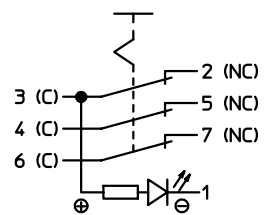
2 NC / 1 NO



2 NO/NC Change-over



3 NC Backlit



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