

# KISSLING
# BATTERY DISCONNECTOR

## Series 35 / 500A - from TE Connectivity (TE)

Our manually operated battery disconnector up to 500 amps meets the most demanding requirements in all vehicle applications. The nominal current ratings refer to continuous DC current at up to 100% duty cycle and the switches are built to switch under full load.

TE Connectivity's (TE) battery disconnector can handle up to five times the continuous current level for up to 10 seconds as overload current. (Overload current of 1000 amps for 30 seconds)

All series 35 battery disconnectors are sealed with a technology that meets the IP67 and IP6K9K (steam cleaning) standards and the switches are designed to operate at temperatures between -40°C and +85°C.

Options include single or dual pole configurations, various mounting and locking (security) alternatives as well as different shapes and colors of the operating handles.

Battery disconnectors from our KISSLING product family are able to be operated under fall load, to ensure a safe disconnection from the battery in emergency conditions. The range also has optional protection against theft or unauthorized use of vehicles or equipment by removable or lockable operating elements.

### Features

- Sealed housing conforms to IP6K9K
- Robust design
- 6G shock and 4G vibration resistant
- Main contact current rated for continuous current and 100% duty cycle
- Battery disconnect under load in case of an emergency
- Variable or scalable mounting options
- Safety in the vehicle service by so called "LOCK" options

### Applications

- Truck
- Bus
- Ground support vehicles
- Construction and agricultural vehicles
- Railway
- Aircraft

# Specification

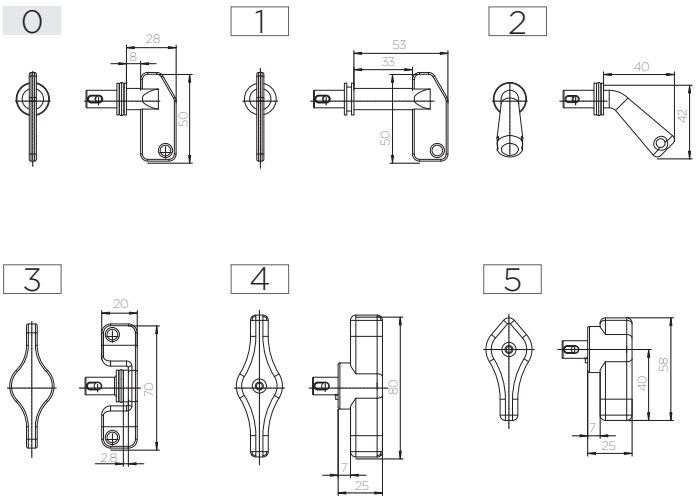
## Technical Data

| | |
|---|---|
| Temperature range | -40°C to +85°C |
| Protection | IP67 / IEC 529 |
| Vibration | 4g (50 - 2000Hz) |
| Shock | 6g, 11msec |
| Thread sizes / Torque | M10 = 15 – 20Nm \| M12 = 18 – 22Nm |

## Electrical Data

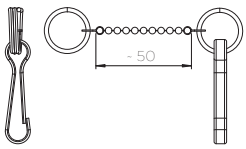
| | |
|---|---|
| Min. insulation resistance | 100MΩ |
| Dielectric withstanding voltage | 1050V / 1 min at 50Hz |
| Max. contact drop max. load | 150mV |
| Voltage range | up to 32V |
| Duty rating continuous | 500A |
| Overload | 1500A - 240sec / 2000A - 90sec / 2500A - 10sec. |
| Wire section | min. 250mm² |
| Mounting position | optional |

## Available Keys




**Key Options**

| | |
|---|---|
| 0 | Standard |
| 1 | Standard long |
| 2 | 45° turn off |
| 3 | T-handle |
| 4 | Double wing |
| 5 | Pointer key |



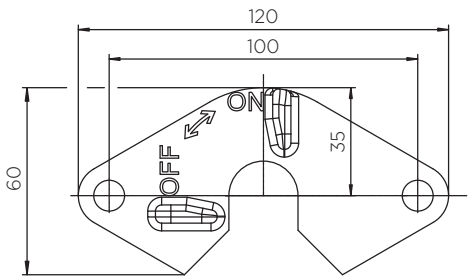

**Key with chain**

| | |
|---|---|
| 6 | Standard |
| 7 | Standard long |
| 8 | 45° turn off |
| 9 | T-handle |

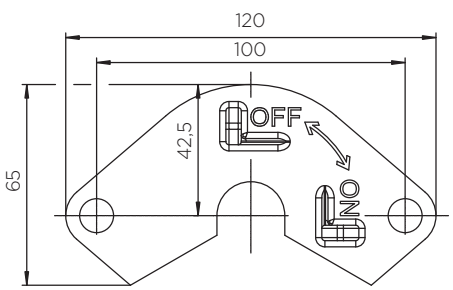
## Keyholder

Not for switches with central mounting / optional available

1-pole

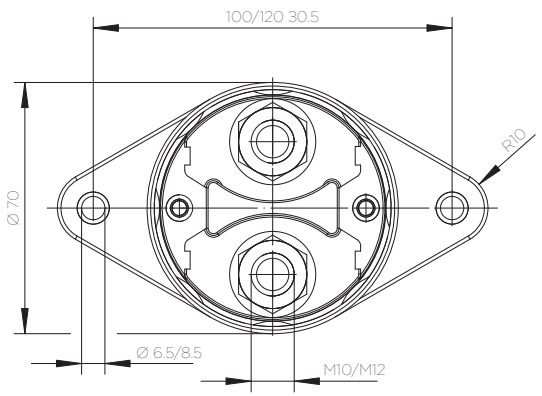


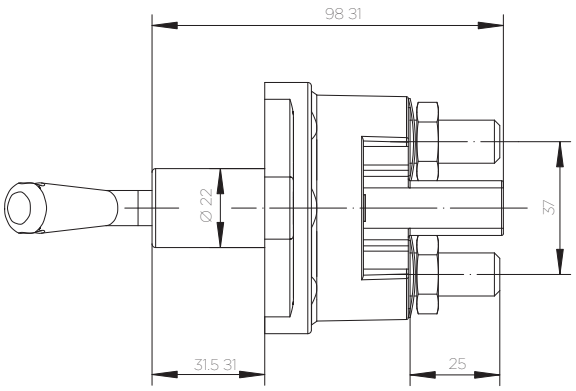

2-pole

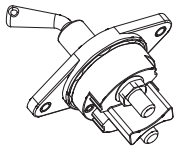


## Technical drawings

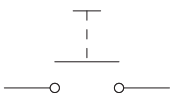
1-pole with longflange



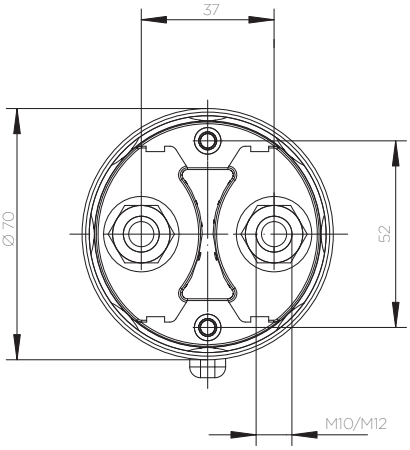



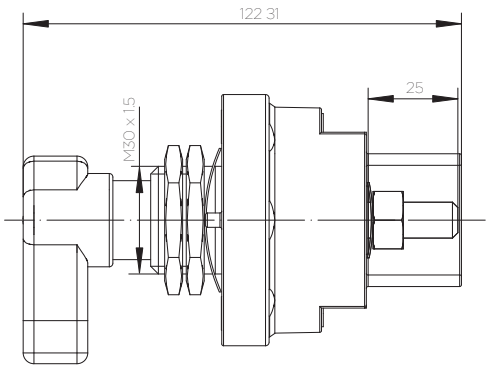



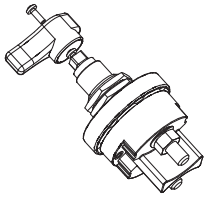
Circuit



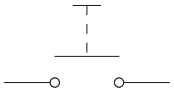
1-pole with central mounting



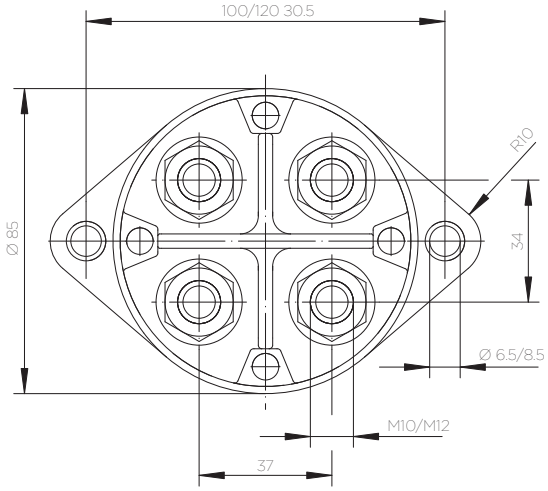



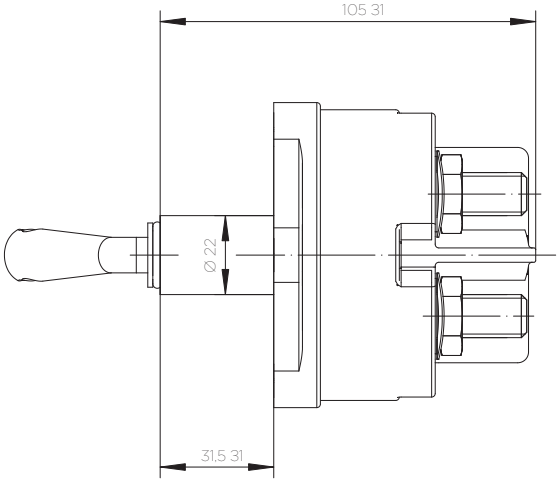



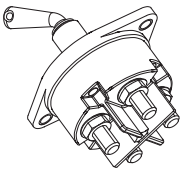
Circuit



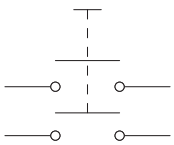
2-pole with longflange



Circuit



## Ordering Information

**Part Number**
example: 35.510.000.R
**35.___.___._.__**

**Current**

| | |
|---|---|
| 5 | Current 500A |

**No. Poles**

| | |
|---|---|
| 1 | 1-pole |
| 2 | 2-poles |

**Mounting options**

| | |
|---|---|
| 1 | Longflange 100 / Ø 6,5 |
| 2 | Longflange 120 / Ø 6,5 |
| 3 | Central mounting |
| 4 | Longflange 100 / Ø 8,5 |
| 5 | Longflange 120 / Ø 8,5 |

**Thread**

| | |
|---|---|
| 1 | M10 |
| 2 | M12 |

**Auxiliary contact (upon request)**

| | |
|---|---|
| A2 | Auxiliary contact 2A |
| A5 | Auxiliary contact 5A |

**Key colours**

| | |
|---|---|
| R | red |
| S | black |
| GN | green |
| GE | yellow |

**Key type**

| | |
|---|---|
| 0 | removable |
| 1 | not removable |

**Key options**

| | |
|---|---|
| X | see overview page 1 |

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