

Art.No.: 10 3316

Data Sheet



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TYTAN® QUICK

D0 switch-disconnector

- ✓ Construction width of 72mm, only 4 modules
- ✓ 16mm² spring clamp terminal on the output
- ✓ Double terminal on the input up to 35mm²
- ✓ Fuse plug
- ✓ Visual fuse monitoring via flashing indicator
- ✓ Can be switched simultaneously on all poles

Versions

Item	kg/piece	PU	Item No.
1-pole + N (N leading/lagging)	0,613	1	10 33 15
3-pole	0,308	1	10 33 13
3-pole + N (N leading/lagging)	0,343	1	10 33 16
3-pole + auxiliary switch	0,343	1	10 33 17

Tested according to

IEC/EN 60947-3, IEC/EN 60269-3 (DIN VDE 0636-3)

Standards

DIN VDE 0636-3 for fuses

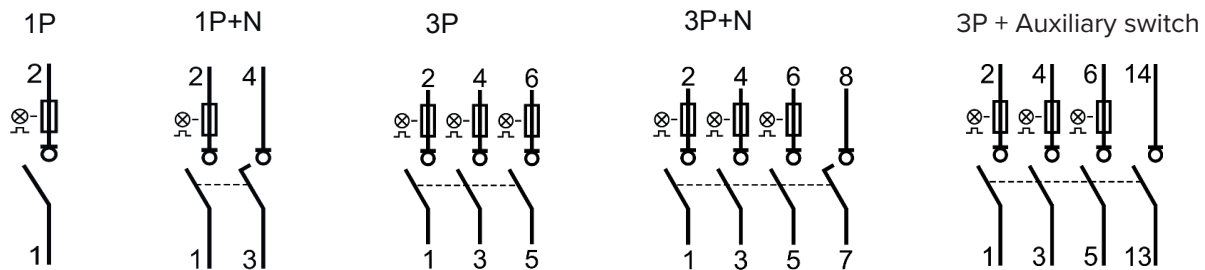
According to IEC/EN 61439-3, VDE 0660-600-3, operation by non-experts is permitted (when using the D0 fuse system)



Electrical data according to IEC/EN

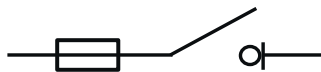
Number of poles		1P, 1P+N 3P, 3P+N	
Rated operating voltage: U_e	D0	1P, 1P+N 3P, 3P+N	230 VAC 400VAC
Rated operating current: I_e	D0		63 A
Rated continuous current: I_u	D0		63 A
Conditional rated short-circuit current:			50 kA _{eff}
Rated insulation voltage: U_i			500 V
Rated impulse withstand voltage: U_{imp}			6 kV
Overvoltage category (OVC):			IV
Creepage current resistance:			CTI 600
Utilization category:	AC22B		63A / 400 V
Maximum permissible power loss the fuse: P_N :		L1, L2, L3 N	1,8 W 0,4 W
Polimpedance:		L N	0,45 mΩ 0,1 mΩ
Blink function			
Rated operating voltage range			50-400 VAC
Auxiliary switch			
Function switch position indication ON/OFF			1 normally open contact
Rated operating voltage / current U_e / I_e			250 V / 5 A AC

Circuit Diagrams



Symbol

IEC 60947-3

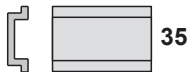


Mechanical Data

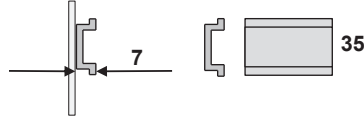
Terminal input range:	antimagnetic	antimagnetic stainless steel lift terminals
Screw:	Pozidriv	PZ2
Tightening Torque: M_n		3Nm 2,5-3Nm
Wire Cross-Section::	1x AWG	2-16
	1x AWG	6-16
Terminal Output Range:		1,5-35mm ² 1,5-16mm ²
Wire Cross-Section	AWG	6-16
Protection rating: (in the operating area with inserted fuse plugs)		Spring clamp terminal IP20C
Temperature range according to IEC 60947-3:	Ambient air	-25 to +40°C
	24-hour average	≤ +35°C
	Storage	-25 to +60°C
Limit overtemperature according to IEC 61439-1:	Terminal connections (network)	≤ +70°C
	Load terminals	≤ +70°C
	Control element	≤ +25°C
	Parts that can be touched but not handled	≤ +40°C
	Parts that are not touched during normal operation	≤ +50°C
Fire classification:	According to UL 94	V0
Glow wire test:		960°C (Insulating material parts that fix live parts in place)
Degree of pollution:		3
Plastic:		Halogen-, phosphorus-, silicone-free

Mechanical data – Mounting

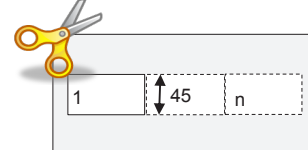
Tool-free mounting on 35mm DIN rail



For DIN rails according to



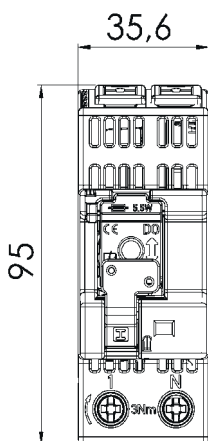
Front panel cutout [mm]



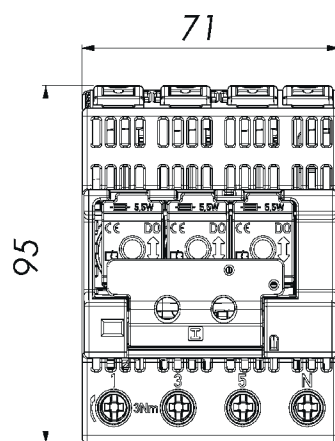
1P, 1P + N	→	n x 36	45-63 /	←
3P + N		n x 71		
3P + Auxiliary switch		n x 71		

Dimensions

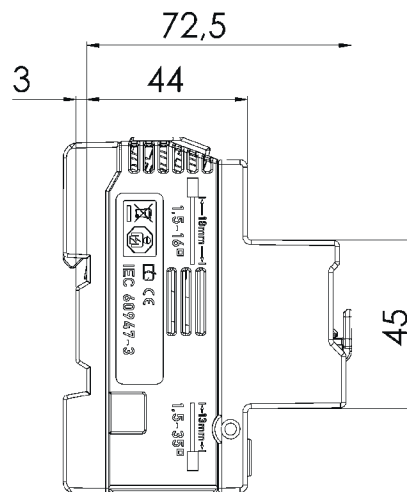
Article	W x H x D
1P, 1P+N	71x95x36mm
3P+N	71x95x80mm
3P+ Auxiliary switch	71x95x80mm



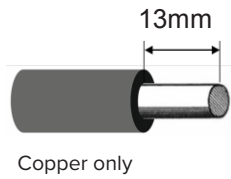
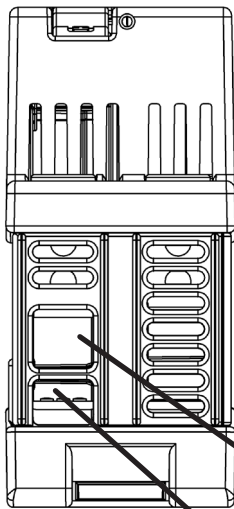
1P
1P+N



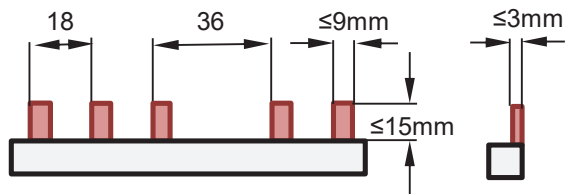
3P
3P+N
3P + Auxiliary switch




Mechanical data – Double terminal



2x	6mm ²	6mm ²	6mm ²
2x	10mm ²	10mm ²	10mm ²
2x	16mm ²	16mm ²	16mm ²
1x	25mm ²	25mm ²	25mm ²
1x	35mm ²	35mm ²	–

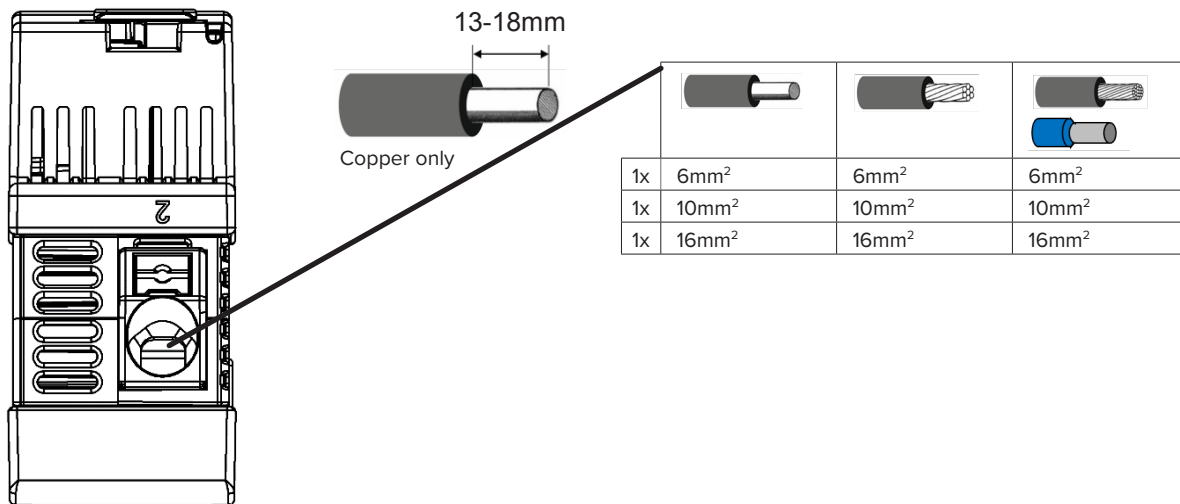


Insertion depth 15 mm

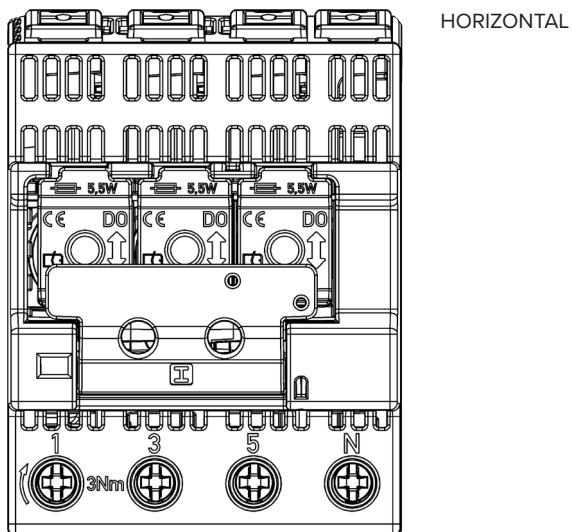

6mm ²
10mm ²
16mm ²
25mm ²
35mm ²

1x	6mm ²	6mm ²	6mm ²
1x	10mm ²	10mm ²	10mm ²
1x	16mm ²	16mm ²	16mm ²
1x	25mm ²	25mm ²	25mm ²
1x	35mm ²	35mm ²	–

Mechanical data – PUSH IN terminal



Installation position**

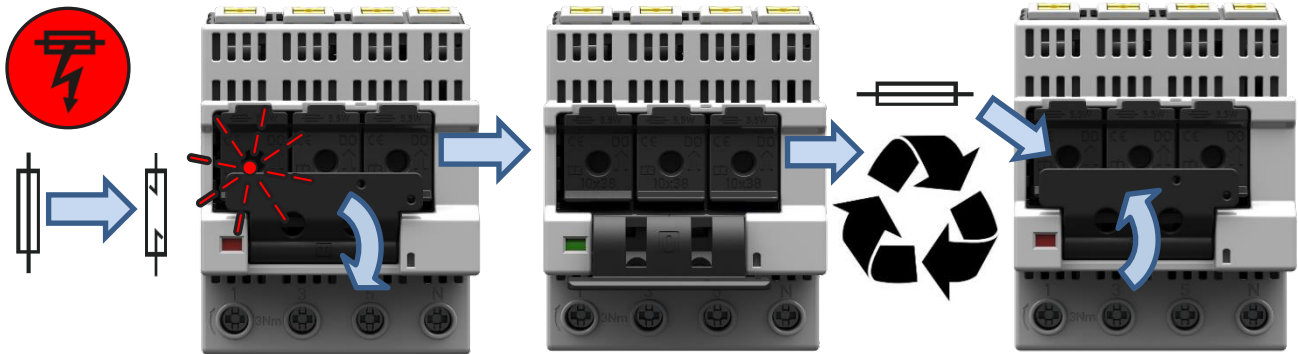


** Observe the rated load factor RDF according to IEC/EN 61439-1!

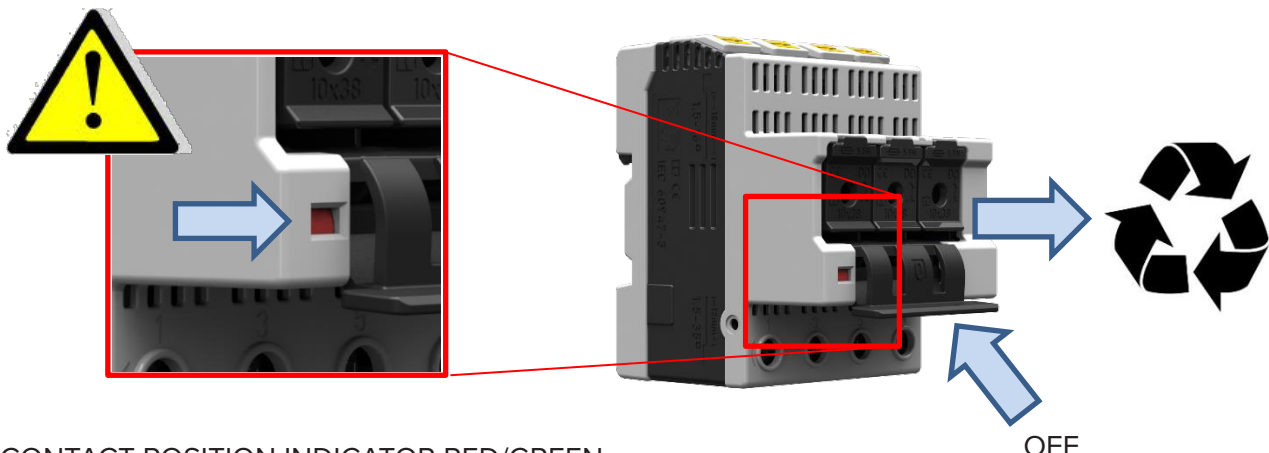
Visualization



FUSE TRIGGERED



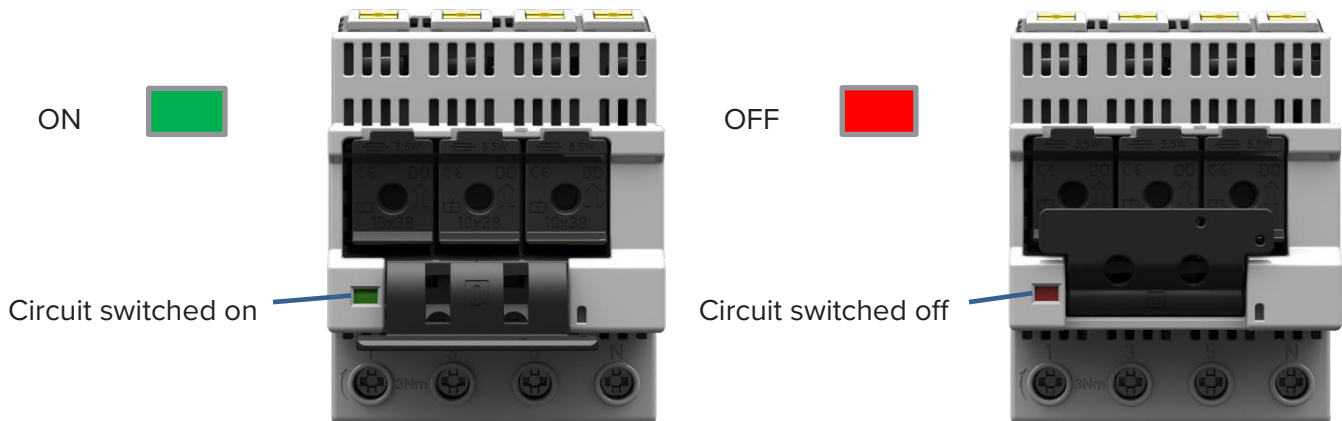
KNOB TO OFF - CIRCUIT ON - REPLACE SWITCHGEAR



CONTACT POSITION INDICATOR RED/GREEN

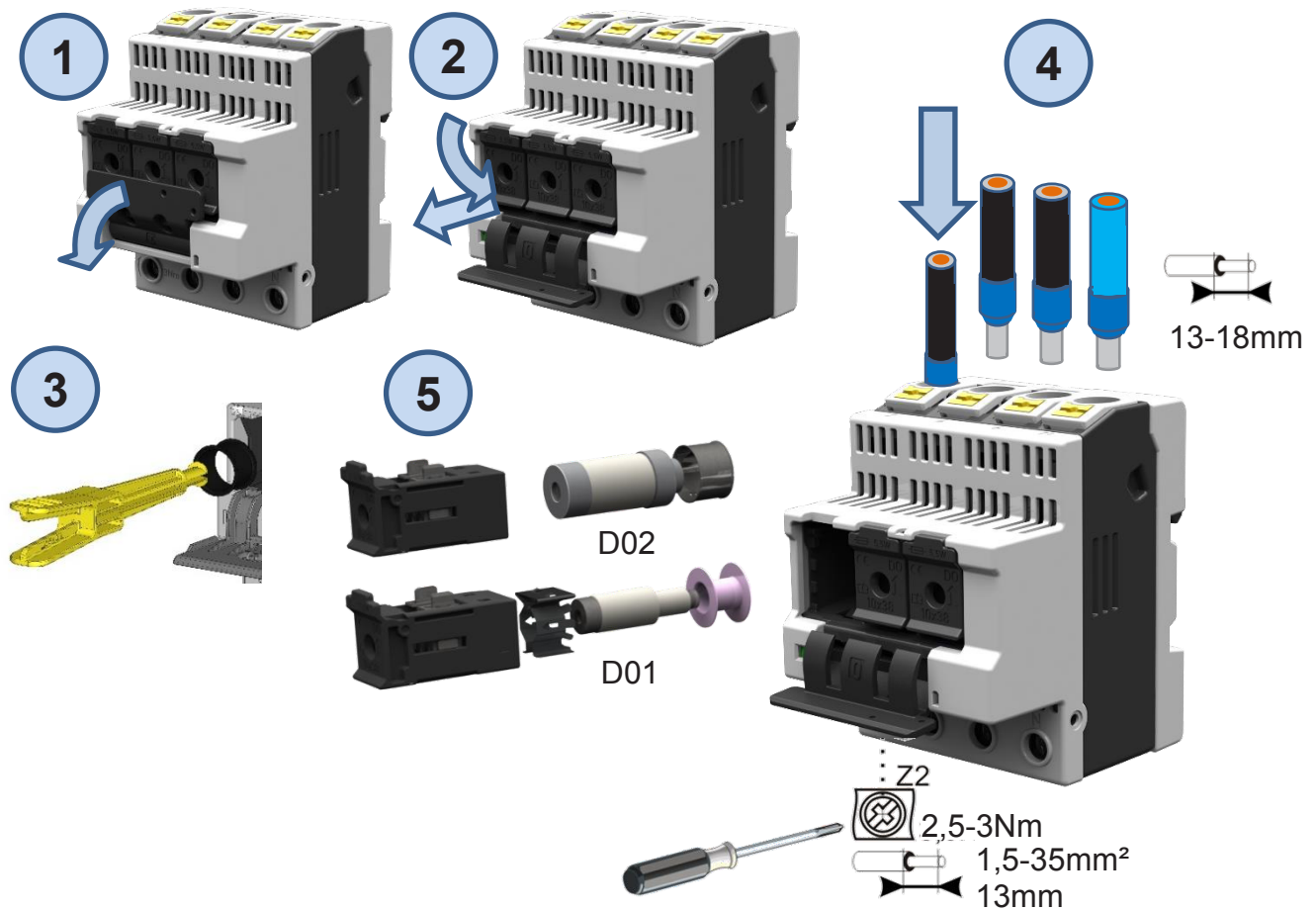
OFF

EIN/AUS Position



Contact position indicator RED/GREEN

Connect conductor / Fuse ON



Connect conductor / Insert fuse




The specifications of the local distribution network operator must be observed.



IEC 60417-6182
Installation only by qualified electricians



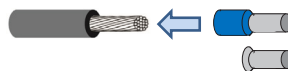
Compliance with regulations for installation
Adherence to technical specifications
Protection of people and assets
Documented training of users

Type of conductor:	IEC 60288		
	Class	Type	Form
 Solid	1	H xx xx – U x x xxx	round
 Stranded	2	H xx xx – R x x xxx	round
 Fine-stranded	5	H xx xx – F x x xxx	round
		H xx xx – K x x xxx	

Stripping length



For fine-stranded conductors with ferrules according to DIN 46228:



Conductor material: Copper only

Molds:



Square crimping
(For example, crimping tool / Klauke K30/4K)

≤ 16mm²

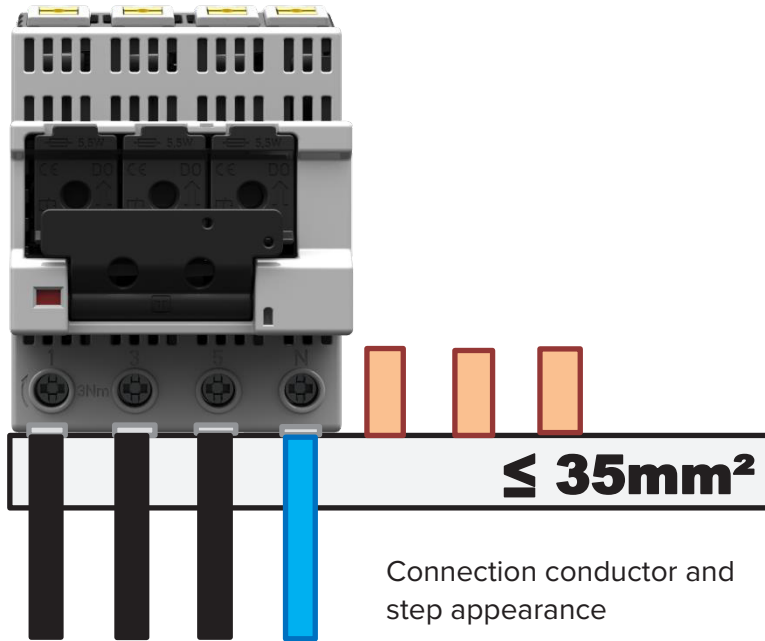


Trapezoidal crimping
(For example, crimping tool / Klauke K27/1 or K28)

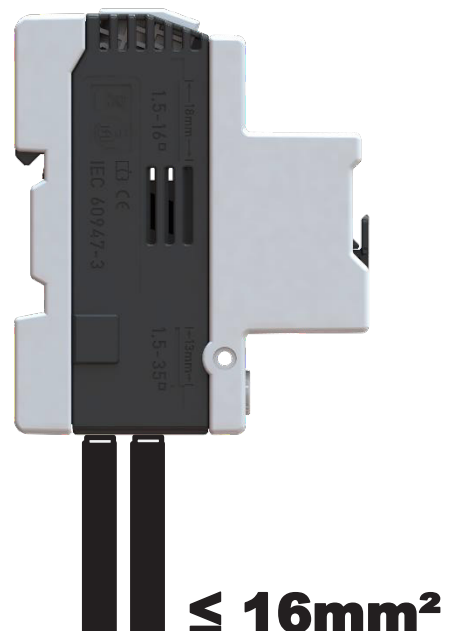
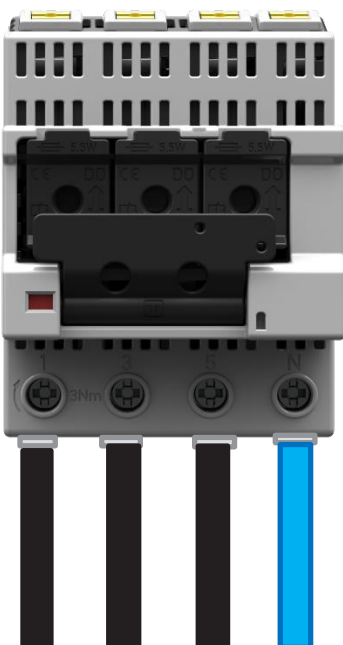


Hexagonal crimping
(For example, crimping tool / Klauke K30/6K)

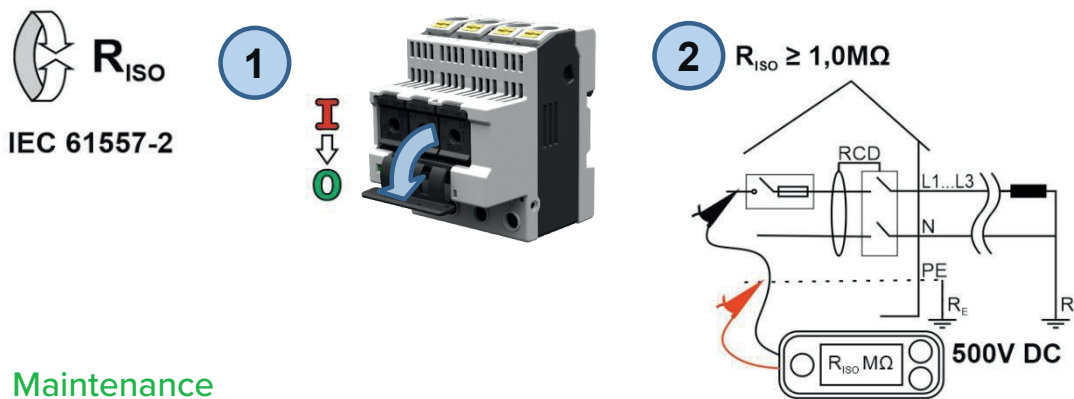
Connect conductor / Insert fuse



2x



Perform insulation measurement



Maintenance

Maintenance-free

Flashing indicator

This built-in opto-electronic indicator flashes when the fuse is switched off.

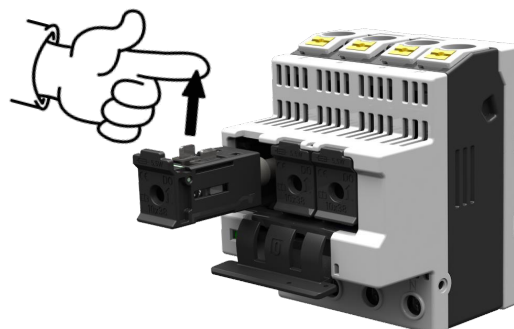
This immediate fault indication replaces the unreliable mechanical signal indicator.



Fuse plug

The fuse plug protects the operator.

A switched-off fuse can exceed 100°C.
It does not need to be touched directly with fingers.



Lock-out mechanism

The AREX TQ 3P+N can be locked to prevent reactivation.

By locking it with a simple padlock, every professional ensures compliance with accident prevention regulations (UVV).

Switch off the AREX TQ and attach one or two padlocks.

→ **Locked!**

