Voltage tap

ZK4S, ZK4B and ZK4R – Compact and secure

- Terminals to tap off the voltage on current-conducting bus bars
- Suitable for tapping off voltage for energy measurement devices
- Fusing directly on the rail
- Primary connection with M8 Allen screw
- Short-circuit resistance 70 kA to 400 V / 50 Hz
- High operational reliability



Fig.: ZK4S and ZK4B

Dimension diagrams

All dimensions in mm

ZK4S-ZK4B

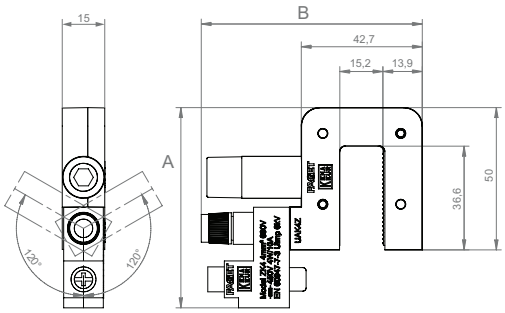



Fig.: Insulated tool ZK4R

Technical data

Voltage tap	
Max. operating voltage	690 V
Test voltage / pulse	3 kV / 50 Hz 6 kV
In max.	10 A
Insulation class	E (max. 120°)
Fuse type	5 x 25 mm (with notification), 10 A SIBA DIN 41576-2
Ambient temperature	-5 ... +40 °C*[1]
Temperature increase, bus bar	Max. 75 K*[1]
Primary connection	M8 Allen screw
Allen size	Number 6
Max. bus bar thickness	4 – 15 mm
Housing	Polyamide (PA6.6)
Terminal material	Nickel plated brass

*[1] Max. temperature of the primary rail 120 °C (total of ambient temperature and temperature increase of the rail)

Device overview – Voltage tap								
Type	Color	Description	Fuse (A)	Cross-section connection line (mm²)	Dimensions in mm		Weight (kg)	Item no.
					A	B		
ZK4S	Black	With fuse	6.3	1.5 – 4	71	78	0.2	**10.11.525**
ZK4B	Blue	Without fuse	-	0 – 16	58.2	76	0.1	**10.11.526**
Accessories								
1 x voltage tap set	3 x ZK4S (item no. 10.11.525); 1 x ZK4B (item no. 10.11.526)						0.7	**10.11.527**
ZK4R	Insulated tool for fixing the tap; 1,000 V, EN / IEC 60900						0.9	**10.11.528**