This innovative section insulator has been newly developed by Kummler+Matter. The runners consist of copper contact wire. The contact wire of the 25/15 kV models is additionally consisting of a very abrasion-resistant copper-magnesium alloy. Thanks to this new design, the section insulator stays flat throughout the full length. This allows the pantograph to travel smoothly across the entire length of the component. Maintenance intervals can be extended significantly by using elevated, non-traversed insulators. The anchor clamp – an additional development by Kummler+Matter – makes it very simple to install the complete section insulator and adjust its height. With its short overall length, the section insulator can be installed at almost any desired location in the contact line.
RAILWAY SECTION INSULATOR 25kV AC

Article no. B1552-01 - Complete with anchor clamps
Article no. B1597-01 - Centre piece with bolt

FAST INSTALLATION ON SITE

In case of a product change, the entire section insulator can be exchanged in next to no time thanks to the patented anchor clamps with their unique installation system.

SIMPLE HEIGHT ADJUSTMENT

The KUSEC 25kV can be very easily adjusted to the desired height with two perforated suspension plates. The inclination is adjusted with the help of turnbuckles.

YOUR ADVANTAGES AT A GLANCE

- 30% Reduction in installation cost
- At least four times longer service lifetime

- Application for fixed and auto-tensioned systems
- Fast changeover thanks to patented anchor clamps
- Bi-directional use
- Re-usable anchor clamps
- Non-traversed insulators
- Designed for high speeds

SPECIFICATIONS

- Height: 500−2000 mm
- Weight: 22 kg
- Operating voltage: up to 25 kV AC
- Arc extinguishing capacity: 25 kV / 1500 A / 2 seconds
- Short-circuit resistance: 40 kA / 100 ms
- Contact wire cross-section: 100−150 mm²
- Designed for nominal forces of up to 20 kN
- Breaking load: Min. 69 kN

TEST AND STANDARDS

- EN 50119, IEC 60913

PATENT PENDING

- Patent no. PCT/EP2018/068607
RAILWAY SECTION INSULATOR 15 kV AC

Article no. B1569-01 - Complete with anchor clamps
Article no. B1598-01 - Centre piece with bolt

FAST INSTALLATION ON SITE

In case of a product change, the entire section insulator can be exchanged in next to no time thanks to the patented anchor clamps with their unique installation system.

SIMPLE HEIGHT ADJUSTMENT

The KUSEC 15 kV can be very easily adjusted to the desired height with two perforated suspension plates. The inclination is adjusted with the help of turnbuckles.

1. Fit the section insulator
2. Lock the section insulator

YOUR ADVANTAGES AT A GLANCE

- 30% Reduction in installation cost
- At least four times longer service lifetime
- Application for fixed and auto-tensioned systems
- Fast changeover thanks to patented anchor clamps
- Bi-directional use
- Re-usable anchor clamps
- Non-traversed insulators
- Designed for high speeds

SPECIFICATIONS

- Height: 500–2000 mm
- Weight: 19 kg
- Operating voltage: up to 15 kV AC
- Arc extinguishing capacity: 15 kV / 1500 A / 2 seconds
- Short-circuit resistance: 40 kA / 100 ms
- Contact wire cross-section: 100–150 mm²
- Designed for nominal forces of up to 18 kN
- Breaking load: Min. 55 kN

TEST AND STANDARDS

- EN 50119, IEC 60913

PATENT PENDING

- Patent no. PCT/EP2018/068607
RAILWAY SECTION INSULATOR 3 kV DC

Article no. B1590-01 - Complete with anchor clamps
Article no. B1599-01 - Centre piece with bolt
Suspension: On request

FAST INSTALLATION ON SITE

In case of a product change, the entire section insulator can be exchanged in next to no time thanks to the patented anchor clamps with their unique installation system.

SIMPLE HEIGHT ADJUSTMENT

With the help of hanger wires (1), it is very easy to adapt the KUSEC 3 kV to the on-site conditions, and to install and adjust it.

YOUR ADVANTAGES AT A GLANCE

-30% Reduction in installation cost
Short overall length of 862 mm

Application for fixed and auto-tensioned systems
Fast changeover thanks to patented anchor clamps
Bi-directional use
Re-usable anchor clamps
Non-traversed insulators

SPECIFICATIONS

Weight: 9 kg
Operating voltage: up to 3 kV DC
Arc extinguishing capacity: 3 kV / 1500 A / 2 seconds
Short-circuit resistance: 10 kA / 500 ms
Contact wire cross-section: 100–150 mm²
Designed for nominal forces of up to 15 kN
Breaking load: Min. 49 kN

TEST AND STANDARDS

EN 50119, IEC 60913

PATENT PENDING


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