



**Retractable Supply Posts with  
Cable-outlet**

**With patented cable-outlet-flap  
and rain water lock**



**Type description for retractable supply post  
MS SE 50 KA Standard**

**Technical data**

Protection stages: IP 44 for electrical outlets  
IP 55 for distributors

Protection equipment: earth contact, class 1

Mains voltage / frequency: 230/400 V, 50 Hz

Kind of voltage: TN-S System

Connection value: approx. 30 kW

Feed in cable max. permissible: 5 x 16 mm<sup>2</sup>

**Equipment side A**

7 pieces of earthed outlets  
2 CEE 16A, 5-pol.  
1 CEE 32A, 5-pol.

**Equipment side B**

2 distributor, 13 partitions  
1 elcb 63/0,03A, 4-pol.  
1 mcb 32A, B, 3-pol.  
1 mcb 16A, B, 3-pol.  
7 mcb 16A, B, 1-pol.  
1 mcb 2A, C, 1-pol.  
1 elcb 40/0,03A, 4-pol.



**Weights**

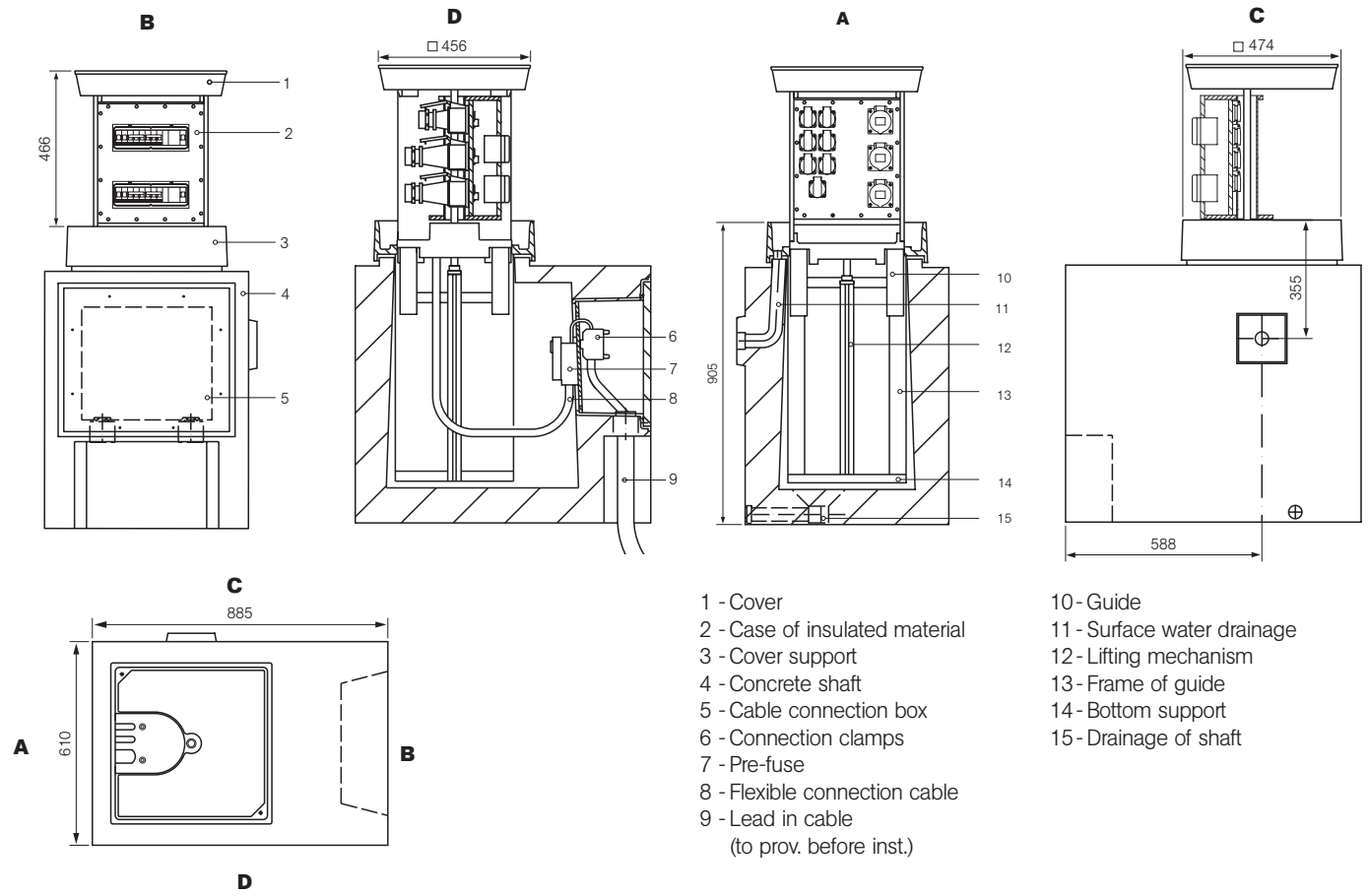
Concrete shaft + Shaft insert: 620 kg  
Device column equipped: 65 kg

**Dimensions**

Concrete shaft (HxWxD): 795 x 610 x 885 mm  
Cover support (incl. sealing compound): 110 mm  
Installation depth: 905 mm  
Stroke: 466 mm  
Space for pavement in cover: 50 mm  
Load capacity for the paved cover under DIN EN 124: C 250, 25t point load  
Lifting mechanism: Thread spindle  
Sewage connections: 2 x DN 40

**Order-No.:**

**MS SE 50KA-Sta-01**





## Submission text for retractable supply post MS SE 50 KA Standard

**Retractable, practicable, column for connection and distribution of electricity as per VDE-regulations for open space, soil flushing installation.**

**Load capacity of the paved cover under the provisions of DIN EN 124 - C 250 (25t point load).**

**Kind of protection IP 44 for earth plugs,**

**kind of protection IP 55 for distributors.**

### Consisting of:

#### Concrete shaft

Supporting concrete shaft under the provisions of DIN 1045 - B 35 (for traffic loads under the provisions of DIN 1072, bridge class SLW 60) for a protected insertion of the retractable supply post into soil. There are integrated:

- Cable connection box for assembling of a connecting module
- Two cable lead through for receiving a cable lead-on
- C-bar for tension relief of the connection cable
- Thread-connection plug for the installation of the exterior earth contact
- Surface water drainage DN 40
- Shaft drainage DN 40

#### Shift insertion

Metal insertion of corrosion resistant aluminium consisting of:

- Guide frame (corrosion resistant aluminium profiles) as sliding supports for the device column.
- Cover support with sealing, pavement frame, drainage, open pipe for surface water drainage.
- Bottom support with lifting mechanism (thread-spindle, spindle-guide and spindle nut).

#### Device column

Horizontal draw out case construction of weather resistant PVC with built on shift cover of cast aluminium, built-in space of 50mm for pavement with cable-outlet and rain water lock.

The case of insulated material (IP 55) is a self supporting construction and constructed as a rugged and shock resistant device. 2 sides (A + B) are provided for the equipment of the device. Lead-in can be plugged by flexible connection cable 5 x 16 mm<sup>2</sup>. The lifting mechanism with thread spindle is located in the centre of the device column. For the operating by crank handle the spindle is passed through the cover and is watertight.

#### Electric device modules

The interior wiring of the devices and the feeding-in are arranged for the TN-S system (as per diagram of connections). Wiring for other systems only after technical clarification and written contract.

##### Side A:

- 7 piece of electrical earth outlets
- 2 piece of attached electrical outlets CEE 16A, 5-pol.
- 1 piece of attached electrical outlet CEE 32A, 5-pol.

##### Side B:

- 2 piece of distribution module for 13 partitions
- 1 piece of elcb 63A, 4-pol., 30 mA
- 1 piece of mcb 32 A, B, 3-pol.
- 1 piece of mcb 16 A, B, 3-pol.
- 7 piece of mcb 16A, B, 1-pol.
- 1 piece of mcb 2A, C, 1-pol.
- 1 piece of elcb 40A, 4-pol., 30 mA

#### Cable connection module KAM 16-2

PVC device supporting base with series clamps 10-16 mm<sup>2</sup> for feeding in or sliding on of lead in cable. Pre-fuse NH 00 63 A, plug-clutch 80 A and tension relief for the flexible connection cable.

#### Cable leading on KDF 16-1

Screwing sockets M40 with shrink-hose for watertight leading in of the connection cable and of the leading-off cable.

#### Crank handle

(included in price when ordered)

Price: per piece + VAT

Delivery: assembled completely, completely wired and checked ex factory, packaging not included

Delivery

Time: min. 6 - 8 weeks after receipt of order and technical clarification.

## Survey of diagram of connections for retractable supply post MS SE 50 KA Standard

