

## Type description for retractable supply post MS SE 30AH 500 Standard

### Technical data

Degree of protection:	IP 44 for electrical sockets, on request up to IP 67 IP 55 for distributors
Protection equipment:	earth conductor, class 1
Nominal voltage/ frequency:	230/400 V, 50 Hz
Kind of voltage:	TN-S System
Connection value:	approx. 15 kW
Supply cable max. permissible:	5 x 16 mm <sup>2</sup>

### Equipment side A

2 x distributors, 10 partitions  
1 x elcb 40/0,03A, 4-pole  
6 x mcb 16A, B, 1-pole  
1 x mcb 2A, C, 1-pole (for heating)

### Equipment side B

6 x CEE 16A, 3-pole

### Equipment side A



### Equipment side B



### Weights

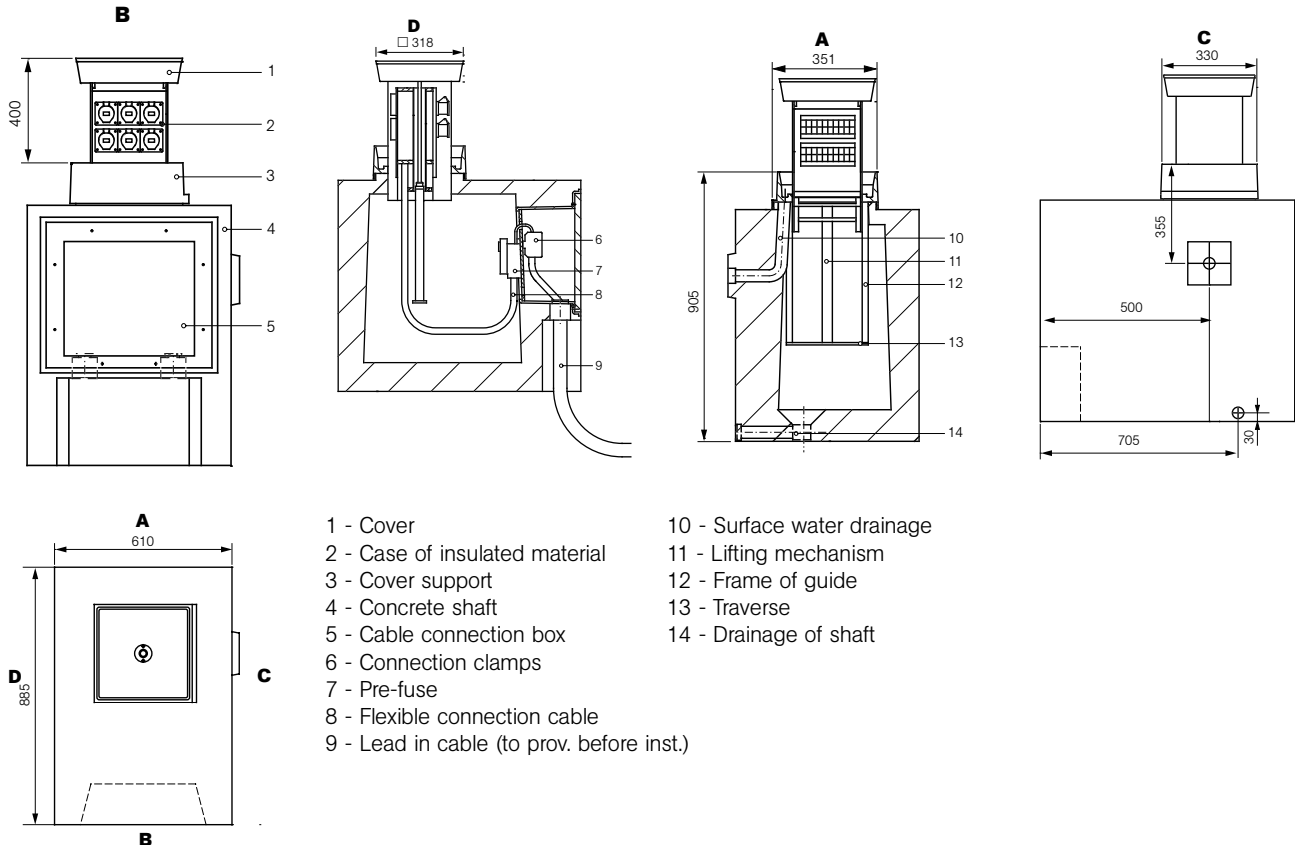
Concrete shaft + Shaft insert:	580 kg
Device column equipped:	50 kg

### Dimensions

Concrete shaft (HxWxD):	795 x 610 x 885 mm
Cover support (incl. sealing compound):	110 mm
Installation depth:	905 mm
Extendible height:	400 mm
Space for pavement in cover:	50 mm
Load capacity for the paved cover under DIN EN 124:	D 400, 40 t point load
Lifting mechanism:	Threaded spindle
Sewage connections:	2 x DN 40

### Order-No.

**MS SE 30AH 500-Sta-01**



## **Submission text for retractable supply post MS SE 30AH 500 Standard**

**Retractable, practicable, column for connection and distribution of electricity according to the VDE-regulations for open space, soil flushing installation.  
Load capacity of the paved cover under the provisions of DIN EN 124 - D 400 (40t point load),  
kind of protection IP 44 for electrical sockets, on request up to IP 67  
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 the assembly of a connecting module
- two cable lead throughs for the reception of an incoming cable
- C-rail 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**

System-oriented, 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 (threaded-spindle, spindle-guide and spindle nut).

### **Device column**

Extendable, horizontal case construction of weather resistant PVC with  
built on shift cover of cast aluminium, built-in space of 50 mm for pavement.

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 6 mm<sup>2</sup>.

The lifting mechanism with threaded spindle is located in the centre of the device column.

Water-tight opening of spindle drive through the lid.

Self-regulating heating in the electrical operating room to protect from frost damage and condensation.

### **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:

2 pieces of distribution modules with transparent cover for 10 partitions  
1 piece of elcb FI 40A, 4-pole, 30mA  
6 pieces of mcb LS 16A, B, 1-pole  
1 piece of mcb 2A, C, 1-pole for heating

#### Side B:

6 pieces of attached electrical outlet CEE 16A, 3-pole

### **Cable connection module KAM 16-1**

PVC device supporting base with series clamps 16 mm<sup>2</sup> to feed in or slide on the supply cable. Pre-fuse NH 0035A plug-clutch 35A 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)

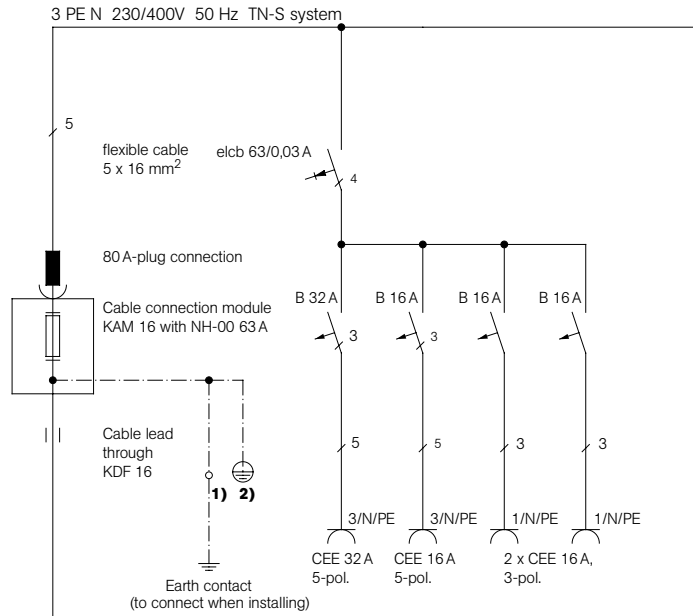
**Price:** per piece + VAT

**Delivery:** assembled completely, completely wired and checked according to VDE 0100 part 610 including electric plans and installation instructions, ex factory, packaging not included

**Delivery time:** min. 4-6 weeks after receipt of order and technical clarification

**Survey of diagram of connections for retractable supply post MS SE 30AH 500 Standard**

**Side A**



**Lead in cable  
max. 16 mm<sup>2</sup>  
(to provide before  
installing)**

**1) M 10 pin (super refined steel)  
at the outside of concrete shaft**

**2) Shaft insert**

Submitted by:

TB SE 30AH500 Standard- E - 07/2011  
Technical alternations are subject to change without prior notice.  
Our terms of delivery and payment are in validity.

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