

# Rittal – The System.

Faster – better – everywhere.



## SE 5846.500

# SE 8 free-standing enclosure system

State: 12.04.2026. (Source: [rittal.com/hr-hr](http://rittal.com/hr-hr))

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SE 5846.500 - SE 8 free-standing enclosure system

Individual sheet steel enclosure with stable enclosure body, two integrated mounting levels, screw-fastened rear panel and door. Roof and sides from a single piece with roll-formed frame. Fully compatible interior installation with the TS 8, enabling full integration into the TS 8 product family. Enclosure widths ranging from 600 to 1800 mm Time-saving assembly work due to the roll-formed side panels



## Features

|                 |   |
|-----------------|---|
| Model No.       | SE 5846.500   |
| Material        | Enclosure: Sheet steel 1.5 mm<br>Door: Sheet steel, 2.0 mm<br>Rear panel: Sheet steel, 1.5 mm<br>Gland plates: Sheet steel, 1.5 mm<br>Mounting plate: Sheet steel, 3.0 mm   |
| Surface finish  | Enclosure, door and rear panel: dipcoat-primed, powder-coated on the outside, textured paint<br>Mounting plate and gland plates: Zinc-plated  |
| Colour          | RAL 7035  |
| Supply includes | Enclosure, solid top and sides<br>Door(s)<br>R/h door hinge with single-door enclosures, may be swapped to opposite side<br>Mounting plate<br>Gland plates<br>Rear panel, detachable<br>Lock: 3 mm double-bit<br>2 TS punched rails 18 x 38 mm<br>Rear panel, two-piece |

# Features

---

|                                   |  |
|-----------------------------------|--|
| Dimensions                        | Width: 1,800 mm<br>Height: 2,000 mm<br>Depth: 500 mm   |
| Dimensions mounting plate (W x H) | 1,699 mm x 1,896 mm  |
| Protection category to IEC 60 529 | IP 55  |
| Protection category NEMA          | NEMA 12<br>NEMA 3R   |
| IK Code                           | IK10   |
| Number of doors                   | 2  |
| Basic material                    | Sheet steel  |
| Packs of                          | 1 pc(s).   |
| Net weight                        | 273 kg   |
| Gross weight                      | 282 kg   |
| Customs tariff number             | 94032080   |
| ECLASS 8.0                        | 27180101   |
| Product description               | SE Free-standing enclosure system, WHD: 1800x2000x500 mm, Sheet steel, with mounting plate, two doors at the front |

---

# Approvals

---

|              |   |
|--------------|---|
| Approvals    | UL + C-UL (listed)  |
| Explanations | Declaration of conformity<br>Declaration of conformity UK |

---

# Tender text

## Two-door sheet steel system enclosure

Enclosure for stand-alone siting in self-supporting integrated construction, consisting of a basic frame, doors, rear panel and base assembly. Basic frame made of one-piece construction including side panels and roof. Enclosure section with system punchings on a 25 mm DIN pitch pattern. Vertical sections as well as front and rear roof frame section with two mounting levels for space-saving system installation.

Screw-fastened rear panel, welded base assembly consisting of base frame and multi-divided, sliding gland plates, r/h door hinge.

### Doors:

Overlapping doors, lockable door with r/h hinge, with foamed-in seal, with removable rectangular frame with holes on a 25 mm DIN pitch pattern, locking bar with 4-point latching, double-bit insert to DIN 43668, with captive hinge pins, door opening angle 130° to VDI, may be retrofitted to 180°, automatic potential equalisation to the enclosure frame.

### Gland plates:

3-part, removable and replaceable, fitted, automatic potential equalisation to the enclosure frame.

### Rear panel:

Vertically divided, with foamed-in seal, screw-fastened, automatic potential equalisation to the enclosure frame.

### Mounting plate:

C-folds at the sides, depth-adjustable on a 25 mm pitch pattern via integrated plastic slide pieces.

Punched rail in the base for easy sliding of mounting plate may be removed after positioning the mounting plate and located on the vertical sections, e.g. for cable routing.

### Material (material thickness):

Sheet steel for enclosure (1.5 mm), rear panel (1.5 mm), door (2.0 mm), gland plates (1.5 mm) and mounting plate (3.0 mm)

### Surface finish:

3 layers of surface protection: Nanoceramic coating, electrophoretic dipcoat-priming, powder-coating in textured RAL 7035 on the outside.

Mounting plate and gland plates: Zinc-plated

Protection category:

IP 55 to EN 60 529, complies with NEMA 12.

Dimensions:

Width x height x depth: 1800x2000x500 mm,

mounting plate (width x height): 1699x1896 mm

Make/model:

Rittal SE 5846.500 (or equivalent)