

# Rittal – The System.

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## DK 7856.005 PSM busbars

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FRIEDHELM LOH GROUP



# DK 7856.005 - PSM busbars

One or two infeeds, with on or three phases, redundant after changing the plug-in module's direction of connection. With measurement option in conjunction with the CMC III system.

## Features

|                               |  |
|-------------------------------|--|
| Model No.                     | DK 7856.005  |
| Design                        | With 3 m connection cable (connector type CEE/EN 60 309)   |
| Product description           | The modular system facilitates basic configuration of the racks, thanks to a vertical support rail with single-/3-phase infeed. The various socket modules to supply the active components may be snap-fitted into the support rail. This can even be done whilst the system is operational, because the support section is shock hazard-protected.  |
| Benefits                      | Modules may be retrofitted whilst operational.   |
| Technical specifications      | <p>Each plug-in module picks off a phase on the support rail, either from infeed or from the redundant infeed, depending on the direction of connection.</p> <p>Depending on the design, single-/3-phase construction with a maximum current of 2 x (3 x 16 A/32 A).</p> <p>3-phase redundant infeed supported.</p> <p>The redundant circuit is completely separate from the 3 phases of the support rail.</p> <p>Modules may be equipped with integral overcurrent protection, so that only the affected module is deactivated in the event of an excessively high current. The other modules remain operational.</p> |
| Material                      | Aluminium section, natural anodised  |
| Length of connection cable    | 3 m  |
| Type of electrical connection | CEE  |
| Qty.                          | 1  |
| Phases per infeed             | 3~   |
| Rated current (max.)          | 16 A   |
| Module slots (max.)           | 7  |

# Features

|                                   |  |
|-----------------------------------|--|
| To fit                            | Enclosure type: TS 8<br>TS IT<br>VX IT<br>Height: 2,000 mm |
| Operating temperature range       | 5 °C...45 °C   |
| Ambient humidity (non-condensing) | 5...95 %   |
| Storage temperature range         | -20 °C...60 °C   |
| Packs of                          | 1 pc(s).   |
| Net weight                        | 4.845  |
| Gross weight                      | 5.1  |
| Customs tariff number             | 85369001   |
| EAN                               | 4028177579200  |
| ETIM 9                            | EC002762   |
| ECLASS 8.0                        | 27371306   |

# Approvals

|              |                           |
|--------------|---------------------------|
| Approvals    | IEC CB<br>VDE             |
| Explanations | Declaration of conformity |

# Tender text

Power System Module busbar with fixed infeed 3x16 A

The modular system allows basic equipment of each rack with a vertical busbar and three-phase infeed.

The slots may be used over the entire enclosure height due to the vertical arrangement.

Up to 7 socket modules may be snapped into the slots and thanks to the shock-hazard-protected design of the busbar it is not necessary to equip all slots with socket modules.

Socket modules are available in various country versions, e.g. IEC 320 C13, earthing pin, F/B, CH, USA, UK. All modules may be mixed in the busbar. 7 socket modules may be inserted per 2 m of bar. Up to 42 C13 slots are available with IEC 320 modules.

Installation via the plug & play system:

The busbar may be installed in the FlexRack(i) without adaptor or may be retrofitted in all Rittal TS/ PS racks by means of the mounting kit DK 7856.011. Power is supplied via a 5-core, 3 m long cable with open end and wire end ferrules. The socket modules may be replaced and retrofitted whilst operational.

Technical equipment:

Three-phase construction with max. 3x16 A. Socket modules may be retrofitted whilst the system is operational. Each module optionally with / without integral miniature circuit-breaker.

Technical specifications:

Voltage range three-phase 110 V - 400 V AC 50/60 Hz

Neutral connector is required

Max. power supply 3x16 A

Temperature application range: +5° to +45°

Humidity application range: 5% to 95%

rel. humidity, non-condensing

Protection category IP20

H-section made of aluminium

W x H x D [mm]: 60 x 1908 x 60

Make/model: Rittal type: Busbar Power System Module  
with fixed infeed DK 7856.005 or equivalent