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# DK 7856.008
# PSM busbars

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ENCLOSURES | POWER DISTRIBUTION | CLIMATE CONTROL | IT INFRASTRUCTURE | SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

# DK 7856.008 - 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 7856.008 |
| Design | With 2 infeeds (jack), 3-phase redundancy |
| 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 | 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.<br>Depending on the design, single-/3-phase construction with a maximum current of 2 x (3 x 16 A/32 A).<br>3-phase redundant infeed supported.<br>The redundant circuit is completely separate from the 3 phases of the support rail.<br>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. |
| Material | Aluminium section, natural anodised |
| Type of electrical connection | WAGO X-COM |
| Qty. | 2 |
| Phases per infeed | 3~ |
| Rated current (max.) | 16 A |
| Module slots (max.) | 8 |

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# Features

| | |
|---|---|
| To fit | Enclosure type: TS 8<br>TS IT<br>VX IT<br>Height: 2,200 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 | 3.629 kg |
| Gross weight | 3.829 kg |
| Customs tariff number | 85369001 |
| ETIM 9 | EC002762 |
| ECLASS 8.0 | 27371306 |
| Product description | DK PSM busbar, 8-way, 3~, 16 A, Infeed: 2, For H: 2200 mm |

# Approvals

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

# Tender text

Power System Module busbar for 47 U racks,
2x3x16 A
The modular system allows basic equipment of each rack with a vertical busbar and three-phase infeed.
A second infeed is provided per busbar enabling the system to be redundant. Due to the vertical arrangement the slots may be used over the entire enclosure height and the second separate infeed ensures redundant supply. Socket modules may be snapped into the busbar and thanks to the shock-hazard-protected design 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. 8 socket modules may be inserted per 2.20m of bar. Up to 48 slots are available with IEC 320 modules.

Installation via the plug & play system:

The busbar may be retrofitted with the mounting kit DK 7856.011 in all Rittal TS / PS racks. Power is supplied via a 5-pole connection socket with a tension spring system. The socket modules may be retrofitted whilst operational.

Technical equipment:

The three-phase construction with max. 3x16 A per circuit. Two separate circuits per support rail. The redundant circuit 2 is completely potentially separate from circuit 1. The connection direction of the socket modules allows you to select either circuit 1 or circuit 2. Socket modules may be retrofitted whilst the system is operational. Each module optionally with / without integral miniature circuit-breaker.

Technical specifications:

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Voltage range three-phase 110 V - 400 V AC 50/60 Hz
Neutral connector is required
Max. current per power supply: 3x16 A
Temperature application range: +5° up to +45° C
Humidity application range: 5% to 95%
rel. humidity, non-condensing
Protection category: IP 20
H-section: made of aluminium

W x H x D [mm]: 60 x 2100 x 60

Make/model: Rittal
Type: Power System Module busbar
for 47 U racks DK 7856.008 or equivalent

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