

# Rittal – The System.

Faster – better – everywhere.



## DK 7856.005 PSM busbars

State: 18/01/2025 (Source: [rittal.com/com-en](http://rittal.com/com-en))

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# DK 7856.005 - PSM busbars

One or two infeeds, with one 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.

# Features

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
To fit	Enclosure type: TS 8 TS IT VX IT 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

# Features

---

ECLASS 8.0

27371306

# Approvals

---

Approvals

IEC CB

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