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DK 7856.006
PSM busbars

State: 26/11/2026 (Source: www.rittal.com/com-en)

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FRIEDHELM LOH GROUP

DK 7856.006 - 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 7856.006
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	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. Depending on the design, single-/3-phase construction with a maximum current of 2 x (3 x 16 A/32 A). 3-phase redundant infeed supported. The redundant circuit is completely separate from the 3 phases of the support rail. 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
Length of connection cable	3 m
Type of electrical connection	CEE
Qty.	2
Phases per infeed	3~
Rated current (max.)	16 A
Module slots (max.)	7

Features

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	5.816 kg
Gross weight	6.122 kg
Customs tariff number	85369001
ETIM 9	EC002762
ECLASS 8.0	27371306
Product description	DK PSM busbar, 7-way, 3~, 16 A, Infeed: 2, For H: 2000 mm

Approvals

Approvals	IEC CB VDE
Explanations	Declaration of conformity

Tender text

Power System Module busbar with 2 fixed infeeds, 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 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 two 5-core, 3m 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 per circuit. Two separate circuits per busbar. 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: 3 x 16 A
Temperature application range: +5° C 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 1908 x 60

Make/model: Rittal
Type: Power System Module busbar
with 2 fixed infeeds, DK 7856.006 or
equivalent