

Rittal – The System.

Faster – better – everywhere.



DK 7856.170

Overvoltage protection PSM

State: 12/09/2025 (Source: [rittal.com/sg-en](https://www.rittal.com/sg-en))

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



DK 7856.170 - Overvoltage protection PSM

Connected upstream of the busbar. An overvoltage protection is available for each 3-phase infeed to the busbar. The overvoltage protection may also be retrofitted.

Features

Model No.	DK 7856.170
Design	Overvoltage protection type 3
Product description	Connected upstream of the busbar. An overvoltage protection is available for each 3-phase infeed to the busbar. The overvoltage protection may also be retrofitted.
Connector (type)	Wago X-Com
Phases per infeed	3~
Rated current (max.)	16 A
Note	One adaptor is required for each infeed.
Sockets	Wago X-Com
Packs of	1 pc(s).
Net weight	0.799
Gross weight	0.82
Customs tariff number	85369001
EAN	4028177402621
ETIM 9	EC000942
ECLASS 8.0	27130806

Approvals

Explanations	Declaration of conformity
--------------	---------------------------

Tender text

Power System Module with overvoltage protection,
3-phase

Installation via plug & play

3-phase overvoltage protection

Overvoltage protection is available for every 3-phase busbar supply. Overvoltage protection can also be fitted as an upgrade. Integrated visual function checks.

The pre-configured connection cable is used to supply the power system module busbar. A 5-pole plug-in connector strip is used to connect up the busbar. Connection cable DK 7856.025 is needed for the supply.

Function

A green light will be lit if it is working correctly.
An overvoltage device failure is indicated by a red light illuminating.

Requirement category

Overvoltage protection has been designed to meet Class D requirements (different use with local sockets).

Intended use

The overvoltage socket strip has been designed for overvoltage category II protection as per DIN VDE 0110 Part 1.

Technical specifications:

3-phase voltage range: 110V - 400 V AC 50/60Hz

Max. current per supply 3 x 16 A

Type of cable: H07RN-F 5G2.5 mm² Temperature range:
+5°C - +45°C

Humidity range: 5% - 95% relative humidity,
non-condensing

Protection category IP 20