

# DATA SHEET

ITEM NO. 10019560

AC distributor

FieldConnect 400

All values in [mm]

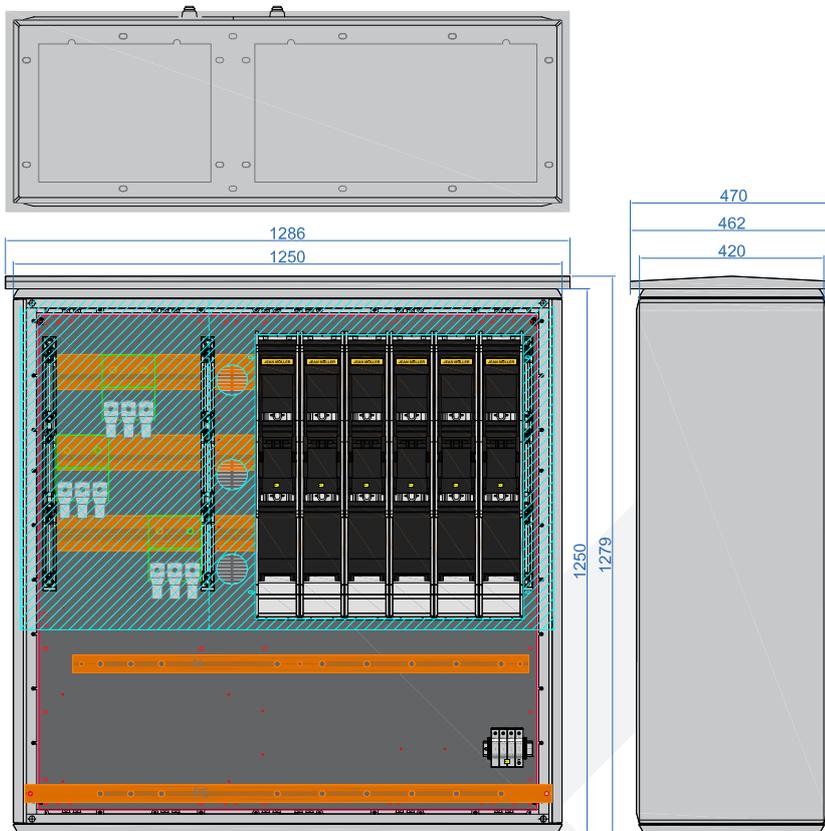
Dimensions "blue"

Fastening points "orange"

Internal arrangement and components may differ depending on the variant!

### Minimum distances

above	200
below	400
lateral	200
front	1400



## SCOPE OF DELIVERY

Quantity	Designation
1	FieldConnect 400
1	General installation instructions
1	Operating instructions Surge protection

Quantity	Designation
1	Operating instructions NH isolator
1	Circuit diagram

Status: March 2025

The text and illustrations correspond to the technical status at the time of printing and are subject to change without notice. Despite careful editing, all information is provided without guarantee. Liability is excluded.

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## TECHNICAL DATA

NOMINAL VALUES		• applicable / - not applicable
Rated insulation voltage $U_i$	[VAC]	660
Rated operating voltage $U_e$	[VAC]	3PH - 230/400
Rated current $I_{nA}$ (at $\cos \phi$ 0.9)	[A]	800
Rated current $I_{nA}$ (at $\cos \phi$ 1)	[A]	720
Operating frequency $f_n$	[Hz]	50
Net shape		TN-S
Max. value of the back-up fuse (gG/gL)	[A]	1000

OVERVOLTAGE PROTECTION		
Test class according to EN 61643-11 (type)		I+II/BC TNS
Back-up fuse type		NH1 isolator
Max. Back-up fuse	[A]	200
Highest permissible continuous voltage $U_{cpv}$	[V]	350
For type 1: Lightning impulse current max. $I_{imp}$ 10/350	[kA]	12,5

NETWORK CONNECTION		
Cable entry		
Introduction		over cut-out base
Clamping range (from - to)	[mm]	-
Connection L1, L2, L3, N, PE		
Connection type		Cable lug M12 <sup>#</sup>
Max. Cable lug width	[mm]	35
Stripping length	[mm]	-
Tightening torque	[Nm]	35 - 40
Cable cross-section (from - to)		
Cu/Al <sup>#</sup>	[mm <sup>2</sup> ]	max. 240

<sup>#</sup> Use bimetal cable lugs when connecting aluminium conductors! Please observe the processing guidelines for aluminium conductors!  
Cable lugs are NOT included in the scope of delivery.

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## TECHNICAL DATA

CONNECTION PV / LOADS		• applicable / - not applicable
Cable entry		
Introduction		over cut-out base
Clamping range (from - to)	[mm]	-
Connection L <sub>1</sub> , L <sub>2</sub> , L <sub>3</sub>		
Connection type		Cable lug M10 <sup>#</sup>
Stripping length	[mm]	-
Tightening torque	[Nm]	30 - 35
Cable cross-section (from - to)		
Cu/Al <sup>#</sup>	[mm <sup>2</sup> ]	max. 240
Connection N, PE		
Connection type		Cable lug M12 <sup>#</sup>
Stripping length	[mm]	-
Tightening torque	[Nm]	35 - 40
Cable cross-section (from - to)		
Cu/Al <sup>#</sup>	[mm <sup>2</sup> ]	max. 240

FUSE-SWITCH DISCONNECTOR FOR PV INVERTERS		
Fuse link		5 x NH1
Max. fuse value	[A]	per separator 250

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## TECHNICAL DATA

GENERAL		• applicable / - not applicable
Dimensions WxHxD (without screw connections)	[mm]	1286 x 1279 x 470
Weight, approx.	[kg]	137,5
Operating temperature range	[°C]	-25...+35
Temperature - transport/storage (24 hours 70°C)	[°C]	-25...+55
Humidity - condensing permitted		-
Humidity - permissible range	[%]	5...70
Max. installation height above N.N.	[m]	2000
Protection class IP (EN 60529)		43
Outdoor suitability (protected area)		•
Protection class (EN 61140)		II
Housing material		Polyester (GRP)
RoHS-compliant (2011/65/EU)		•
Housing colour		RAL 7035
Mounting type		Floor mounting
Closure type		Locking cylinder

OTHER		
Customs tariff number		85371098

ACCESSORIES (not included in the scope of delivery)		
Mounting base (500 mm)		
Buried base*		

\* Either a mounting base or a recessed base is essential for installation.

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