

DATA SHEET

ITEM NO. 10019566

AC distributor
FieldConnect 800

All values in [mm]

Dimensions

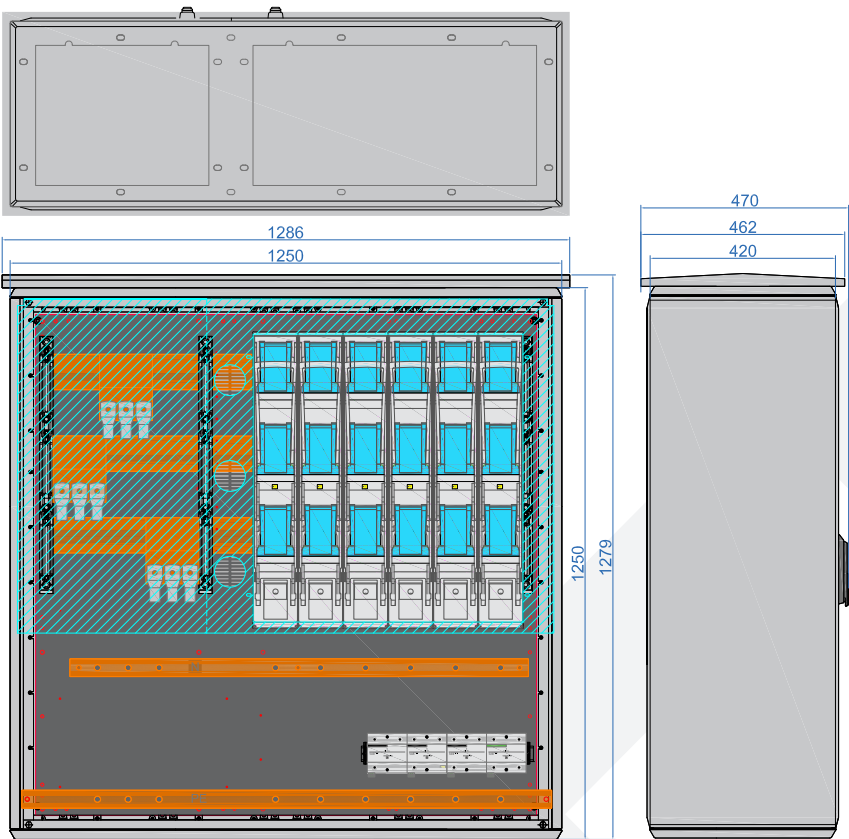
Fastening points

Minimum distances

above	200
below	400
lateral	200
front	1400

"blue"
"orange"

Internal arrangement and components may differ depending on the variant!



SCOPE OF DELIVERY

Quantity	Designation
1	FieldConnect 800
1	General installation instructions

Quantity	Designation
1	Operating instructions NH isolator
1	Circuit diagram

Status: March 2025
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TECHNICAL DATA

NOMINAL VALUES	• applicable / - not applicable	
Rated insulation voltage U_i	[VAC]	1000
Rated operating voltage U_e	[VAC]	3PH - 800
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+III TNS
Back-up fuse type		NH1 isolator
Max. Back-up fuse	[A]	250
Highest permissible continuous voltage U_{cpv}	[V]	1000
For type 1: Lightning impulse current max. I_{imp} 10/350	[kA]	25

NETWORK CONNECTION		
Cable entry		
Introduction		over cut-out base
Clamping range (from - to)	[mm]	-
Connection L_1, L_2, L_3, N, PE		
Connection type		Cable lug M12 [#]
Max. Cable lug width	[mm]	35
Stripping length	[mm]	-
Tightening torque	[Nm]	30 - 40
Cable cross-section (from - to)		
Cu/Al [#]	[mm²]	max. 240

[#] 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 ₁ , L ₂ , L ₃		
Connection type		Cable lug M12 [#]
Stripping length	[mm]	-
Tightening torque	[Nm]	30
Cable cross-section (from - to)		
Cu/Al [#]	[mm ²]	max. 240
Connection N, PE		
Connection type		Cable lug M12 [#]
Stripping length	[mm]	-
Tightening torque	[Nm]	35 - 40
Cable cross-section (from - to)		
Cu/Al [#]	[mm ²]	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]	145
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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