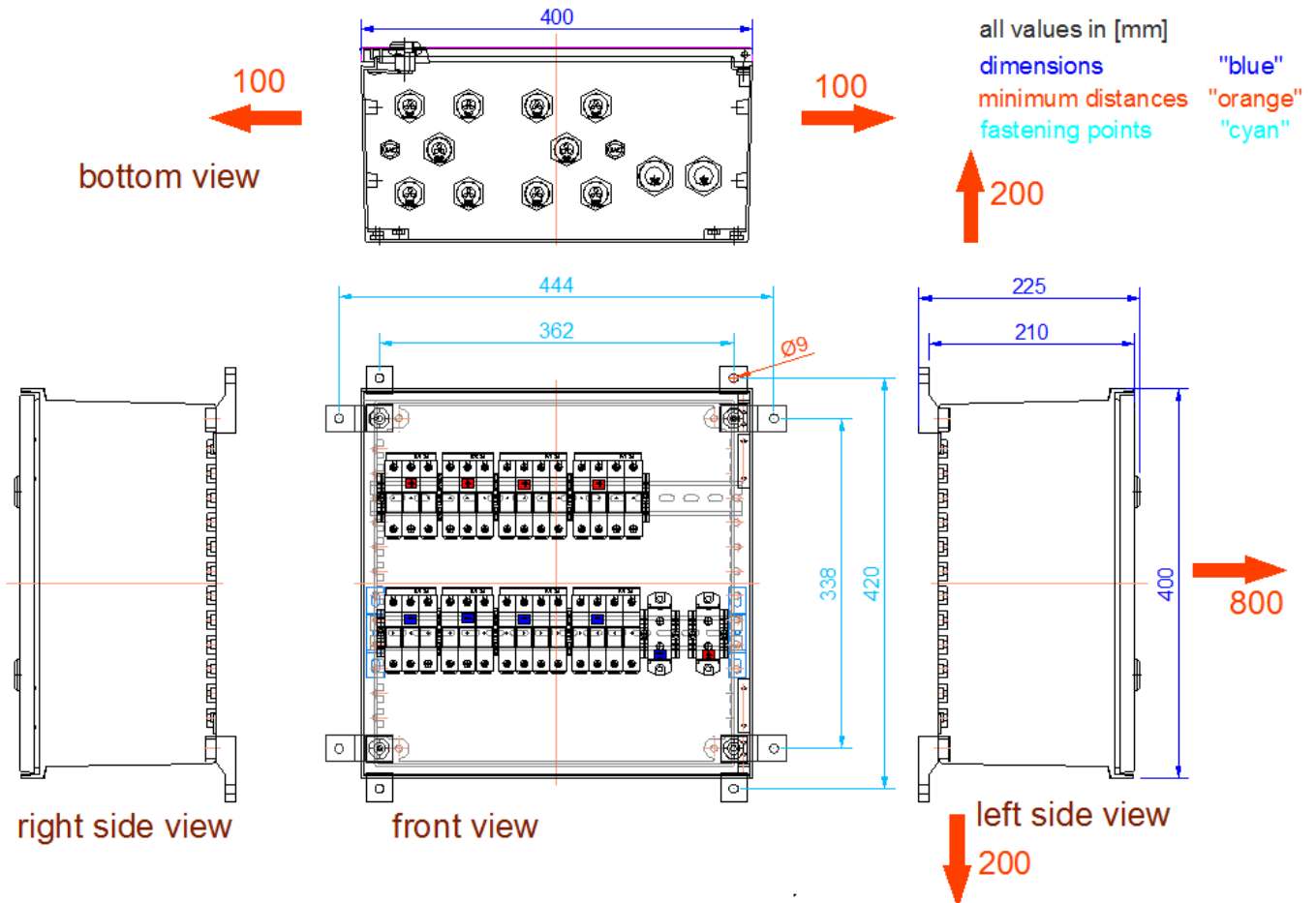


Data sheet

DC - generator junction box

enwitec-order-number	10011653
customer-article-number	
type designation	GAK-enwitec-S-1000-14(x2)S15-X-X-PES-1.0



scope of delivery			
description	order-nr.	pcs	comment
General installation instructions SCB	10011928	1	
Cable Gland M25x1.5 incl. MFD 25/03/070	10011305	10	
Lock Nut M25x1.5	10000723	10	
Cable Gland M32x1.5	10000739	2	
Lock Nut M32x1.5	10000724	2	
Pressure compensation element DAE M12x1.5	10001971	2	
Lock Nut M12x1.5	10001476	2	
Blind Plug BS7	10007139	6	

Data sheet

DC - generator junction box

technical specification

rated insulation voltage U_i	[VDC]	1000		
number of isolated MPP-input(s)	[n]	1	2	3
rated operating voltage U_e	[VDC]	1000		
rated operating current I_{nA}	[ADC]	140		
max. number of PV-strings	[n]	14		
rated operating current per string I_{nc}	[ADC]	10		
string fuse in the "+" potential	•/-	•		
string fuse in the "-" potential	•/-	•		
fuse is inserted at factory setting	•/-	•		
rated current value at factory setting	[A]	15		

input (for pv-generator)

cable entry

cable glands (EN 50262)	•/-	•		
clamping range	[Ømm]	30x 5-7		
PV-connectors	•/-	-		
PV-connectors - manufacturer/type-designation		-		

terminals

"+" potential / "-" potential		+plus	-minus
screw terminal/spring clamp		Screw	Screw
insulation stripping length	[mm]	12	12
tightening torque	[Nm]	2.2	2.2
appropriate conductor material	Al/Cu	Cu	Cu

wire cross section

	[mm ²]	0.75...16	0.75...16
Cu-finely stranded with end sleeve	[mm ²]		
Cu-finely stranded without end sleeve	[mm ²]	-	-
Cu-solid or stranded	[mm ²]	1...16	1...16

output (for pv-inverter)

cable entry

cable glands (EN 50262)	•/-	•		
clamping range	[Ømm]	2x 13-21		
PV-connectors	•/-	-		
PV-connectors - manufacturer/type-designation		-		

terminals

screw terminal/spring clamp		Screw
insulation stripping length	[mm]	21
tightening torque	[Nm]	12 (6-25mm ²) 22 (35-95mm ²)
appropriate conductor material	Al/Cu	Al*/Cu

wire cross section

	[mm ²]	6...70
Cu-finely stranded with end sleeve	[mm ²]	
Cu-finely stranded without end sleeve	[mm ²]	-
Cu-solid or stranded	[mm ²]	6...95
Alu - round, solid	[mm ²]	6...95
Alu - round, stranded	[mm ²]	6...95
Alu - sector, solid	[mm ²]	6...95
Alu - sector, stranded	[mm ²]	6...95

*When connecting aluminum conductors, the usual processing guidelines must be observed! The contact surfaces of the aluminum conductors must be cleaned, brushed and treated with suitable grease.

Data sheet

DC - generator junction box

general data

dimensions (WxHxD)	[mm]	400x400x200
weight	[kg]	-
operating temperature range	[°C]	-25°C - + 35
derating above temperature	[°C]	-
transport + storage temperature	[°C]	-25°C - + 35
humidity - condensing permitted	•/-	•
humidity within the range of	[%]	5...95
max. altitude above sea level NN	[m]	2000
protection class IP	(EN 60529)	65
outdoor-application permitted	•/-	-
exposure to <u>direct</u> weathering	•/-	-
protection against electric shock (EN 61140)		II
cabinet material		PES Polyester
RoHS-conformity (2011/65/EU)	•/-	•
colour of cabinet		similar to RAL7035
way of mounting		wall mounting
quantity of expanded clay (only ground mounting)	[l]	-
Cabinet type		Moulded

relevant standards

switching devices	EN 61439-1 EN 61439-2
surge/overvoltage protection	-
PV power supply systems	DIN IEC 60364-7-712

miscellaneous

customs tariff number	85371098
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spare parts

	order-nr.