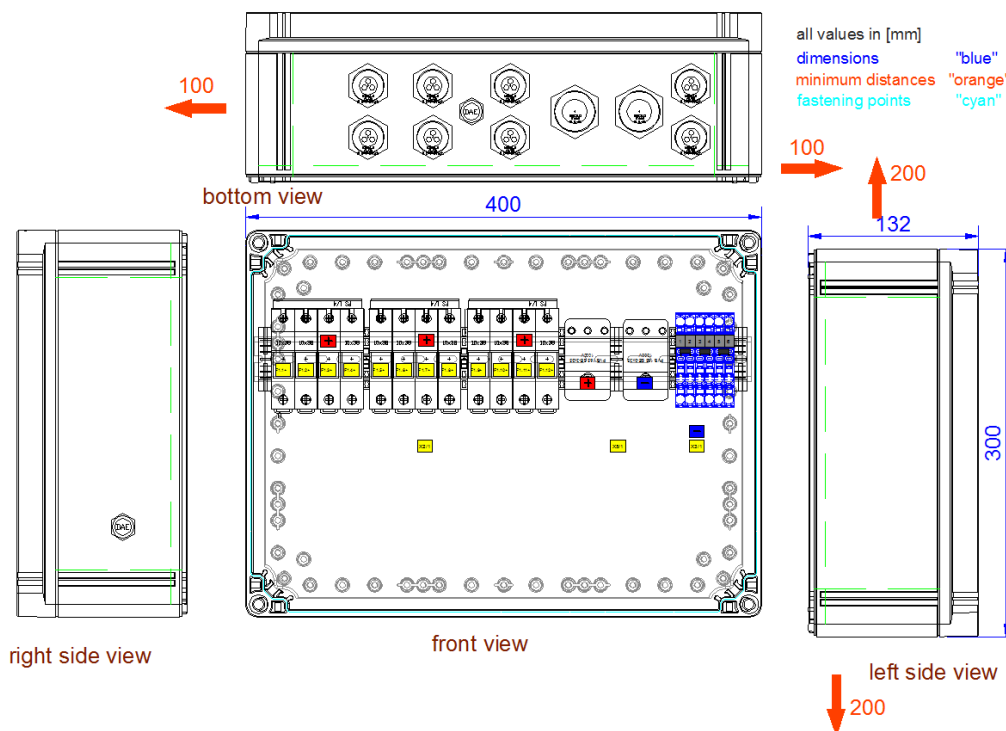


Data sheet Rev1.0

DC - generator junction box

enwitec-order-number	10010857
customer-article-number	7401200011
type designation	GAK-enwitec-S-1000-12Sx-X-X-PC-1.0_IBC



scope of delivery			
description	order-nr.	pcs	comment
Cable Gland M25x1.5	10008646	8	
Sealing insert with 3 opening for M25 Gland	10000728	8	
Locknut M25x1.5	10000723	8	
Pressure compensation element	10001971	2	
Locknut M12x1.5	10001476	2	
Cable Gland M32x1.5	10008647	2	
Locknut M32x1.5	10000724	2	
Blind Plugs BS7	10007139	6	

Data sheet Rev1.0

DC - generator junction box technical specification



rated insulation voltage U_i	[VDC]	1000
number of isolated MPP-input(s)	[n]	1
rated operating voltage U_e	[VDC]	1000
rated operating current I_{nA}	[ADC]	120
max. number of PV-strings	[n]	12
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]	-

input (for pv-generator)

cable entry

cable glands (EN 50262)	•/-	•
clamping range	[Ømm]	24x 5-7
PV-connectors	•/-	-
PV-connectors - manufacturer/type-designation		-

Terminals

"+" potential / "-" potential	+plus	-minus
screw terminal/spring clamp	Screw	Spring
insulation stripping length	[mm]	12 18...20
tightening torque	[Nm]	2.2 -
	Cu	Cu

wire cross section

Cu-finely stranded with end sleeve	[mm ²]	0.75...10	2.5...16
Cu-finely stranded without end sleeve	[mm ²]	-	-
Cu-solid or stranded	[mm ²]	1...16	0.5...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
appropriate conductor material	Al/Cu	Al/Cu

wire cross section

Cu-finely stranded with end sleeve	[mm ²]	50...150
Cu-finely stranded without end sleeve	[mm ²]	-
Cu-solid or stranded	[mm ²]	50...150
Alu - round, solid	[mm ²]	50...150
Alu - round, stranded	[mm ²]	50...150
Alu - sector, solid	[mm ²]	50...150
Alu - sector, stranded	[mm ²]	50...150

general data

dimensions (WxHxD)	[mm]	400x300x132
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		PC Polycarbonat
RoHS-conformity (2011/65/EU)	•/-	•
colour of cabinet		Similar to RAL7035
way of mounting		Wall mounting
quantity of expanded clay (only ground mounting)	[l]	-
locking system		Screw lock

relevant standards

switching devices	EN 61439-1 EN 61439-2
PV power supply systems	IEC 60364- 7-712

miscellaneous

customs tariff number	85371098
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spare parts

order-nr.	
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