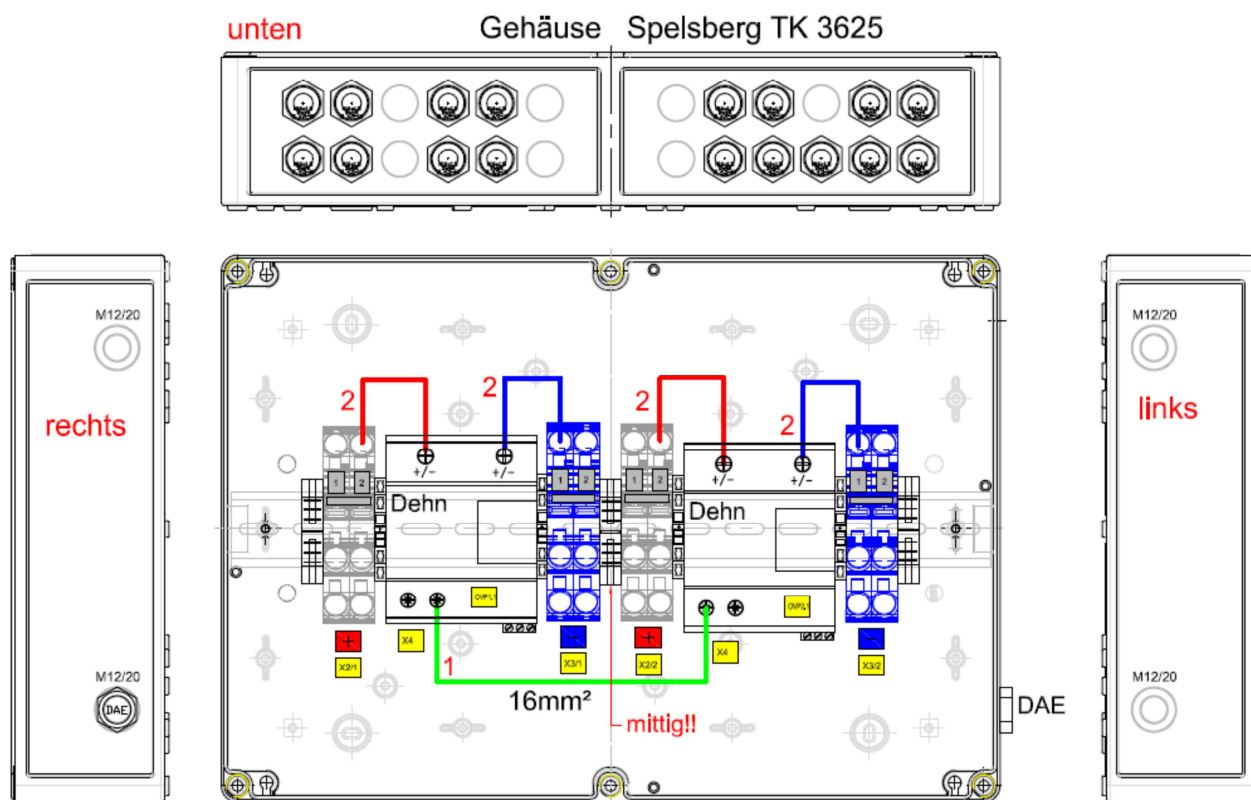


Data sheet

DC - generator junction box

enwitec-order-number	10010740
customer-article-number	7401100016
type designation	S-1000-2x2R-X-BC-PC-2.0-TypIBC



scope of delivery			
description	order-nr.	pcs	comment
SK-enwi-Kurzanleitung für "GAKs S3" deutsch	10008721	1	Short-information „GAKs S3“ IBC - german
SK-enwi-Kurzanleitung für "GAKs S3" englisch	10008722	1	Short-information „GAKs S3“ IBC - english

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	1000	
rated operating current I_{nA}	[ADC]	41	41	
max. number of PV-strings	[n]	2	2	
rated operating current per string I_{nc}	[ADC]	41	41	
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]	4,5-10		
PV-connectors	•/-	-		
PV-connectors - manufacturer/type-designation		-		

terminals

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

wire cross-section

Cu - finely stranded with end sleeve	[mm ²]	0,5-16	0,5-16
Cu - finely stranded without end sleeve	[mm ²]	0,5-25	0,5-25
Cu- solid or stranded	[mm ²]	0,5-25	0,5-25

output (for pv-inverter)

cable entry

cable glands (EN 50262)	•/-	•		
clamping range	[Ømm]	4,5-10		
PV-connectors	•/-	-		
PV-connectors - manufacturer/type-designation		-		

terminals

screw terminal/spring clamp		spring clamp		
insulation stripping length	[mm]	18-20		
tightening torque	[Nm]	-		
appropriate conductor material	Al/Cu	Cu		

wire cross-section

Cu - finely stranded with end sleeve	[mm ²]	0,5-16		
Cu - finely stranded without end sleeve	[mm ²]	0,5-25		
Cu- solid or stranded	[mm ²]	0,5-25		
Alu - round, solid	[mm ²]	-		
Alu - round, stranded	[mm ²]	-		
Alu - sector, solid	[mm ²]	-		
Alu - sector, stranded	[mm ²]	-		

general data

dimension (WxHxD)	[mm]	360*250*110
weight	[kg]	ca.4,5
operating temperature range	[°C]	-25 ...35
Shortly	[°C]	40
transport + storage temperature	[°C]	-25 ... 50
humidity - condensing permitted	•/-	•
humidity within the range of	[%]	100
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
RoHS-conformity (2011/65/EU)	•/-	•
colour of cabinet		grey
way of mounting		wallmounting
quantity of expanded clay (only ground mounting)	[l]	-
locking system		Double-bit

relevant standards

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

miscellaneous

customs tariff number	

spare parts

	order-nr.
Nut M16*1,5	10000721
Plug-screw M16*1,5	10000729
Cablegland M16*1,5	10000736
Dehn DCBYPVSCI1000	10010504
terminal-F-blue 3-way 16(25)	10001243
terminal-F-grey 3-way 16(25)	10001242