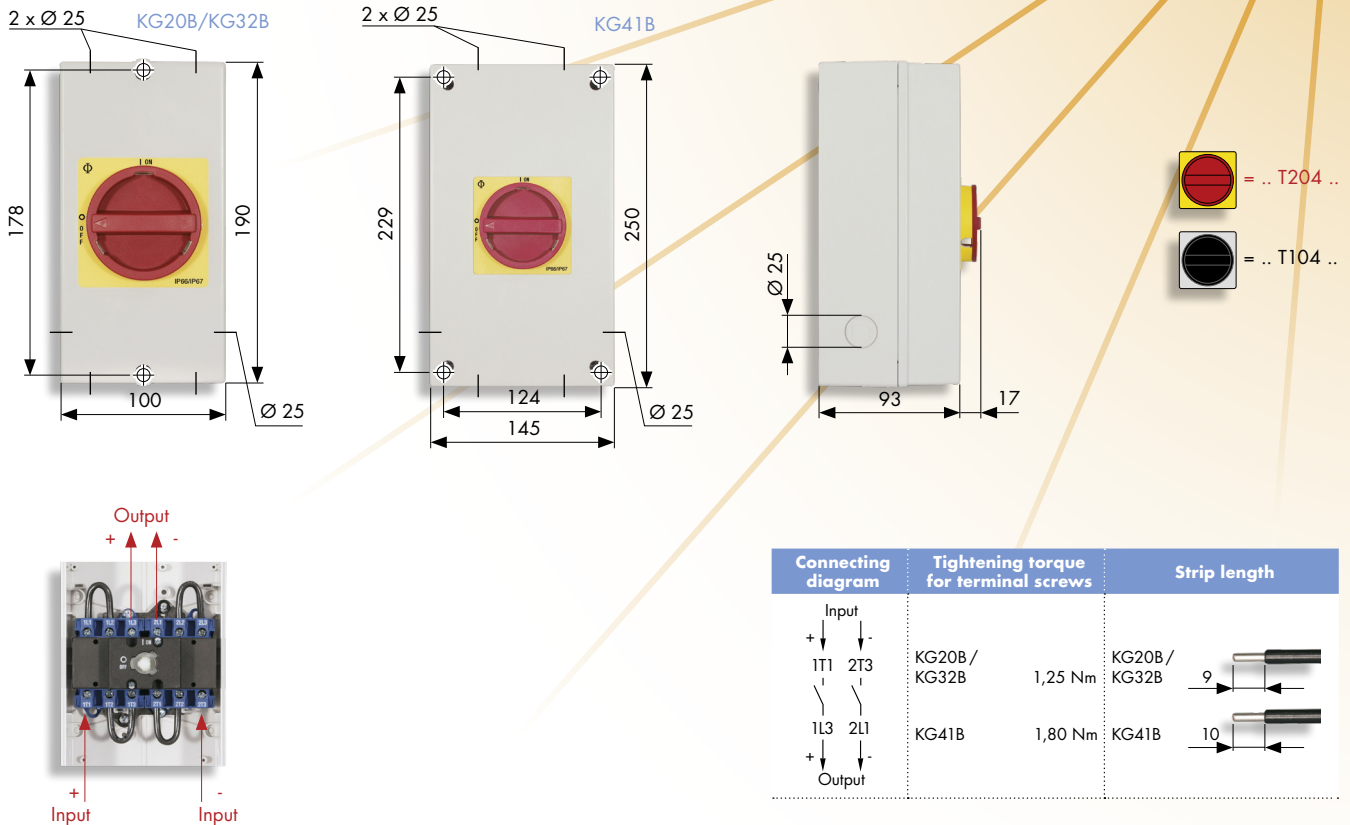


DC Disconnectors for Solar Photovoltaic (PV)
 Power Supply System acc. to IEC 60364-7-712:2002

Disconnectors for
Photovoltaic



Contact development: 2-pole, 6 contacts per circuit (2 x 3 in series)

General Data

Switch Disconnector according to EN 60947-3 respectively VDE 0660 Part 107

Utilization Category: for Photovoltaic Application

DC-22A (Switching of combined resistive or low inductive loads including moderate overloads)
 DC-21B (Switching of resistive loads, including moderate overloads)

Connecting Terminals finger-proof according to VDE 0660-514 and BGV A3, IP 20

Maximum permissible wire size (use copper wire only)

single core wire or stranded wire

flexible wire without sleeve / sleeving acc. to DIN 46228

KG20B/KG32B: 6 mm² KG41B: 16 mm²
 KG20B/KG32B: 4 mm² KG41B: 10 mm²

Mounting

Plastic Enclosures, Protection IP66/67, totally insulated, knock-out entries,

Handle red, OFF-position lockable with padlocks, cover coupling with interlock

Rated Value / Order Number

Utilization Category	DC-22A	DC-21B	DC-22A	DC-21B	DC-22A	DC-21B
Operational Current I _e (enclosed up to 50 °C ¹)	18 A	25 A	27 A	27 A	32 A	40 A
Operational Current I _e (enclosed up to 60 °C ²)	18 A	22 A	22 A	22 A	32 A	40 A
Operational Voltage U _e	650 V DC		500 V DC		650 V DC	
Max. Off load voltage of the PV inverter	780 V DC		600 V DC		780 V DC	
Insulation Voltage U _i *	1000 V		1000 V		1000 V	
Operational Current I _e (enclosed up to 50 °C ¹)	12 A	21 A	25 A	27 A	20 A	28 A
Operational Current I _e (enclosed up to 60 °C ²)	12 A	21 A	22 A	22 A	20 A	28 A
Operational Voltage U _e	800 V DC		650 V DC		800 V DC	
Max. Off load voltage of the PV inverter	1000 V DC		780 V DC		1000 V DC	
Insulation Voltage U _i *	1000 V		1000 V		1000 V	

Order Number	Handle red / Escutcheon plate backing	KG20B T206/D-P003 KL11V	KG32B T206/D-P003 KL11V	KG41B T206/D-P003 KL11V
	Handle black / Escutcheon plate backing	KG20B T106/D-P003 KL11V	KG32B T106/D-P003 KL11V	KG41B T106/D-P003 KL11V

¹ 50 °C during 24 hours with peaks up to 55 °C | ² 60 °C during 24 hours with peaks up to 65 °C

Data valid only, if the pre-assembled jumpers have not been modified.

* Valid for ungrounded or center-earthed PV systems, overvoltage category III, pollution degree III