



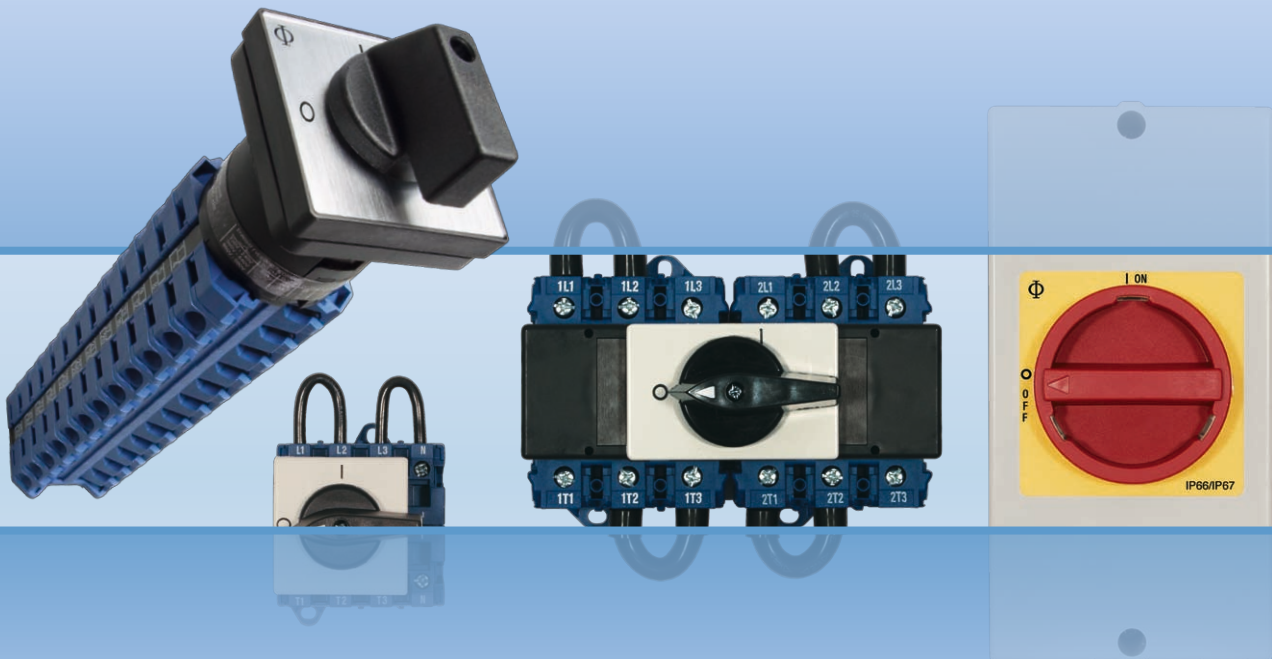
# Kraus & Naimer

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since 1907

Disconnectors for

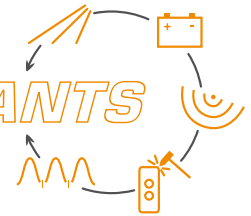
*Photovoltaic*



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***EMC-compliant connection***



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Disconnectors for

# Photovoltaic

Please select the accurate switch disconnecter according to the power performance of your Photovoltaic application.

< For direct link click on the page number >

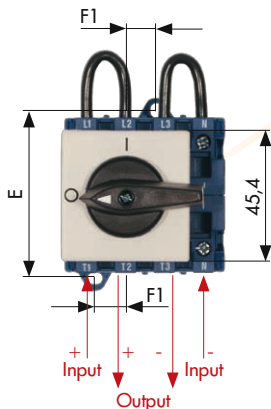
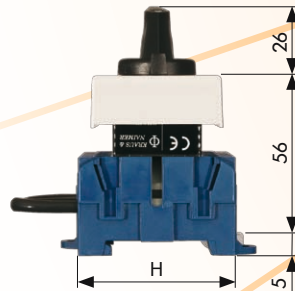
Contact development: 1 x 2 pole			
Rated Operational		Screw / Snap on Base Mounting	In Enclosure
Voltage	Current	Page	Page
450 V	16 A	4	9
	25 A	4	9
	32 A	4	9
500 V	12 A	4	9
	20 A	4	9
	32 A	5	10
650 V	16 A	5	10
	25 A	5	10
	32 A	5	10
	63 A	7	12
800 V	12 A	5	10
	16 A	6	11
	25 A	6	11
	32 A	6	11
	64 A	8	12

Contact development: 1 x 2 pole, 2 x 2 pole and 3 x 2 pole		
Rated Operational		Panel Mounting
Voltage	Current	Page
500 V	20 A	13
750 V	20 A	14
1000 V	20 A	15
Contact	16	

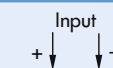

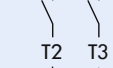

Note: UL - approved switches on request

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

Disconnectors for  
**Photovoltaic**



	KG20A/ KG32A	KG41
A	43,7	52,4
E	60	70
F1	11	12,5
G	55,5	66
H	54	64

Connecting diagram	Tightening torque for terminal screws	Strip length
	KG20A/ KG32A 1,25 Nm	KG20A/ KG32A 9 
	KG41 1,80 Nm	KG41 10 

**Contact development: 2 pole, 4 contacts per circuit (2 x 2 in series)**

### General Data

Switch Disconnecter according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20

Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire  
flexible wire

KG20A / KG32A: 6 mm <sup>2</sup>	KG41: 16 mm <sup>2</sup>
KG20A / KG32A: 4 mm <sup>2</sup>	KG41: 10 mm <sup>2</sup>

### Mounting

Screw/Snap on base mounting for track EN 60715  
Escutcheon plate for 45 mm standard knock-out, F-handle black

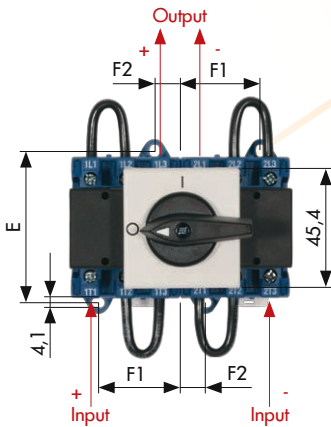
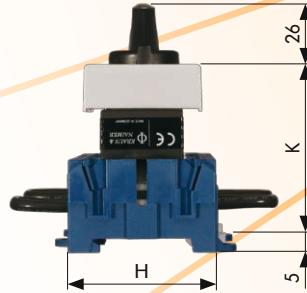
### Rated Value / Order Number

	16 A	25 A	32 A
<b>Operational Current</b>	<b>16 A</b>	<b>25 A</b>	<b>32 A</b>
<b>Operational Voltage</b>	<b>450 V DC</b>	<b>450 V DC</b>	<b>450 V DC</b>
Max. Off load voltage of the PV inverter	520 V DC	520 V DC	520 V DC
Insulation Voltage	690 V	690 V	690 V
<b>Operational Current</b>	<b>12 A</b>	<b>20 A</b>	
<b>Operational Voltage</b>	<b>500 V DC</b>	<b>500 V DC</b>	
Max. Off load voltage of the PV inverter	575 V DC	575 V DC	
Insulation Voltage	690 V	690 V	
<b>Order Number</b>	<b>KG20A T304/D-P001 VE2</b>	<b>KG32A T304/D-P001 VE2</b>	<b>KG41 T304/D-P001 VE2</b>

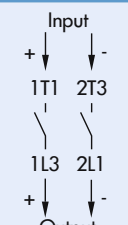

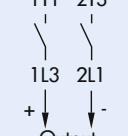

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DC Disconnectors for Solar Photovoltaic (PV) Power Supply System  
acc. to IEC 60364-7-712:2002

Disconnectors for  
**Photovoltaic**



	KG20A/ KG32A	KG41B
A	43,7	105,4
E	60	70
F1	32	37,5
F2	10	12,5
G	84	100
H	54	64
K	64	62,5

Connecting diagram	Tightening torque for terminal screws	Strip length
	KG20A/ KG32A 1,25 Nm	KG20A/ KG32A 9 
	KG41B 1,80 Nm	KG41B 10 

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

**General Data**

Switch Disconnecter according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20

Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire  
flexible wire

KG20A/ KG32A: 6 mm <sup>2</sup>	KG41B: 16 mm <sup>2</sup>
KG20A/ KG32A: 4 mm <sup>2</sup>	KG41B: 10 mm <sup>2</sup>

**Mounting**

Screw/Snap on base mounting for track EN 60715  
Escutcheon plate for 45 mm standard knock-out, F-handle black

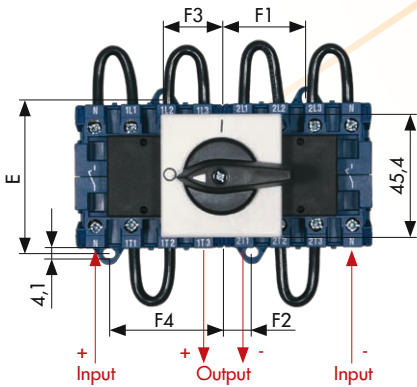
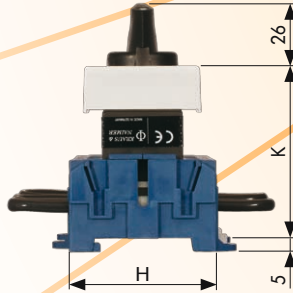
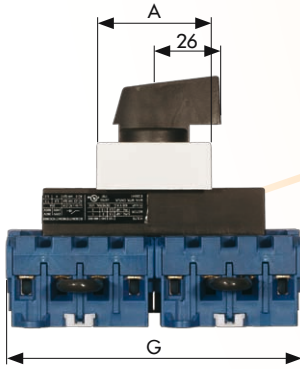
**Rated Value / Order Number**

	16 A	32 A	32 A
<b>Operational Current</b>	<b>16 A</b>	<b>32 A</b>	<b>32 A</b>
<b>Operational Voltage</b>	<b>650 V DC</b>	<b>500 V DC</b>	<b>650 V DC</b>
Max. Off load voltage of the PV inverter	750 V DC	575 V DC	750 V DC
Insulation Voltage	1000 V	1000 V	1000 V
<b>Operational Current</b>	<b>12 A</b>	<b>25 A</b>	
<b>Operational Voltage</b>	<b>800 V DC</b>	<b>650 V DC</b>	
Max. Off load voltage of the PV inverter	920 V DC	750 V DC	
Insulation Voltage	1000 V	1000 V	
<b>Order Number</b>	<b>KG20A T306/D-P001 VE2</b>	<b>KG32A T306/D-P001 VE2</b>	<b>KG41B T306/D-P001 VE2</b>





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

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

Disconnectors for  
**Photovoltaic**



	KG20A/ KG32A	KG41B
A	43,7	105,4
E	60	70
F1	32	37,5
F2	10	12,5
F3	23,5	28,5
F4	45,5	53,5
G	111	132
H	54	64
K	64	62,5

Connecting diagram	Tightening torque for terminal screws	Strip length
	KG20A/ KG32A 1,25 Nm	KG20A/ KG32A 9 
	KG41B 1,80 Nm	KG41B 10 

**Contact development: 2 pole, 8 contacts per circuit (2 x 4 in series)**

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**General Data**

Switch Disconnecter according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20  
Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire      KG20A / KG32A: 6 mm<sup>2</sup>      KG41B: 16 mm<sup>2</sup>  
flexible wire                                      KG20A / KG32A: 4 mm<sup>2</sup>      KG41B: 10 mm<sup>2</sup>

**Mounting**

Screw/Snap on base mounting for track EN 60715  
Escutcheon plate for 45 mm standard knock-out, F-handle black

**Rated Value / Order Number**

	16 A	25 A	32 A
<b>Operational Current</b>	<b>16 A</b>	<b>25 A</b>	<b>32 A</b>
<b>Operational Voltage</b>	<b>800 V DC</b>	<b>800 V DC</b>	<b>800 V DC</b>
Max. Off load voltage of the PV inverter	920 V DC	920 V DC	920 V DC
Insulation Voltage	1000 V	1000 V	1000 V

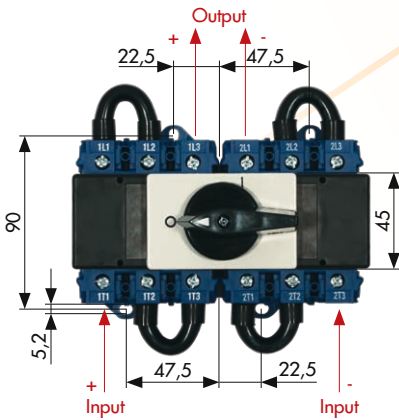
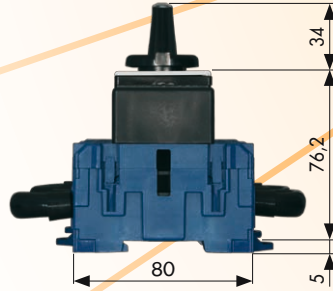
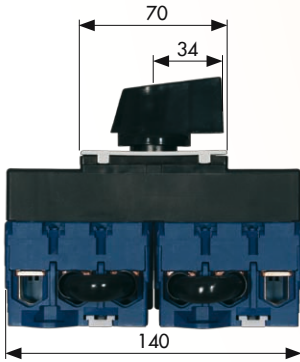
Order Number	KG20A T308/D-P001 VE2	KG32A T308/D-P001 VE2	KG41B T308/D-P001 VE2
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Data valid only, if the pre-assembled jumpers have not been modified.



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

Disconnectors for  
**Photovoltaic**



Connecting diagram	Tightening torque for terminal screws	Strip length
	KG80 3,00 Nm	KG80 14

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

**General Data**

Switch Disconnecter according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20  
Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire 50 mm<sup>2</sup>  
flexible wire 35 mm<sup>2</sup>

**Mounting**

Screw/Snap on base mounting for track EN 60715  
Escutcheon plate for 45 mm standard knock-out, F-handle black

**Rated Value / Order Number**

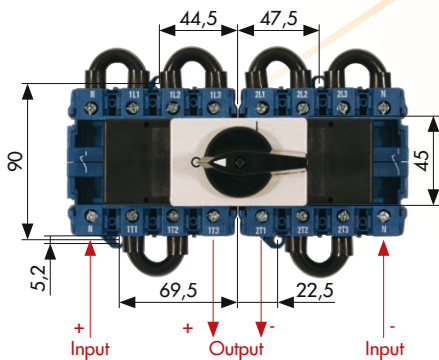
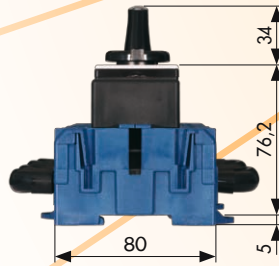
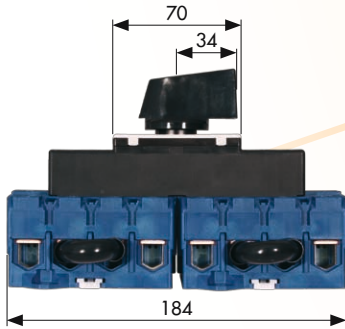
<b>Operational Current</b>	<b>63 A</b>
<b>Operational Voltage</b>	<b>650 V DC</b>
Max. Off load voltage of the PV inverter	750 V DC
Insulation Voltage	1000 V

**Order Number** **KG80 T306/D-P001 VE2**

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

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

Disconnectors for  
**Photovoltaic**



Connecting diagram	Tightening torque for terminal screws	Strip length
	KG80 3,00 Nm	KG80 14 

**Contact development: 2 pole, 8 contacts per circuit (2 x 4 in series)**

**General Data**

Switch Disconnecter according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20  
Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire 50 mm<sup>2</sup>  
flexible wire 35 mm<sup>2</sup>

**Mounting**

Screw/Snap on base mounting for track EN 60715  
Escutcheon plate for 45 mm standard knock-out, F-handle black

**Rated Value / Order Number**

<b>Operational Current</b>	<b>64 A</b>
<b>Operational Voltage</b>	<b>800 V DC</b>
Max. Off load voltage of the PV inverter	920 V DC
Insulation Voltage	1000 V

**Order Number** **KG80 T308/D-P001 VE2**

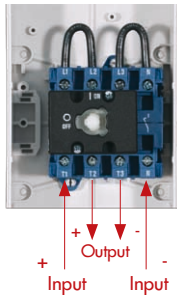
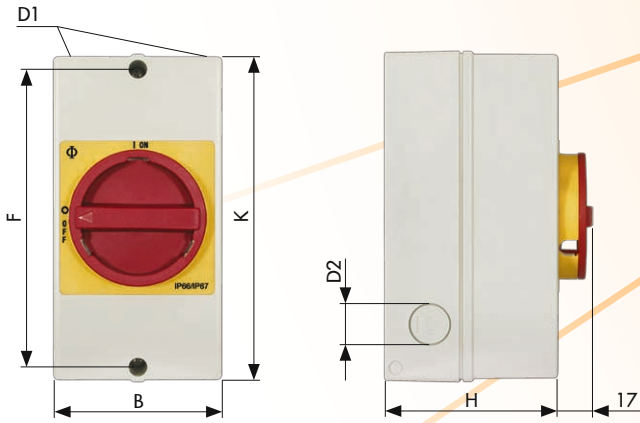
Data valid only, if the pre-assembled jumpers have not been modified.

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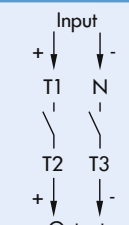

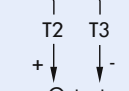



DC Disconnectors for Solar Photovoltaic (PV) Power Supply System  
acc. to IEC 60364-7-712:2002

Disconnectors for  
**Photovoltaic**



	KG20 / KG32	KG41
B	85	100
D1	2 x Ø 20	2 x Ø 25
D2	Ø 20	Ø 25
F	150	178
H	82	93
K	160	190

Connecting diagram	Tightening torque for terminal screws	Strip length
	KG20 / KG32 1,25 Nm	KG20 / KG32 9 
	KG41 1,80 Nm	KG41 10 

**Contact development: 2 pole, 4 contacts per circuit (2 x 2 in series)**

**General Data**

Switch Disconnector according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20

Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire  
flexible wire

KG20 / KG32: 6 mm <sup>2</sup>	KG41: 16 mm <sup>2</sup>
KG20 / KG32: 4 mm <sup>2</sup>	KG41: 10 mm <sup>2</sup>

**Mounting**

Plastic Enclosures, Protection IP66/67, totally insulated, knock-out entries,  
Red handle and contrasting yellow escutcheon plate, OFF-position lockable with padlocks, cover coupling with interlock

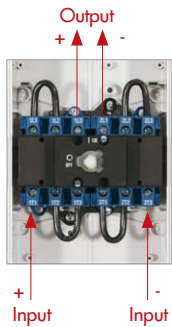
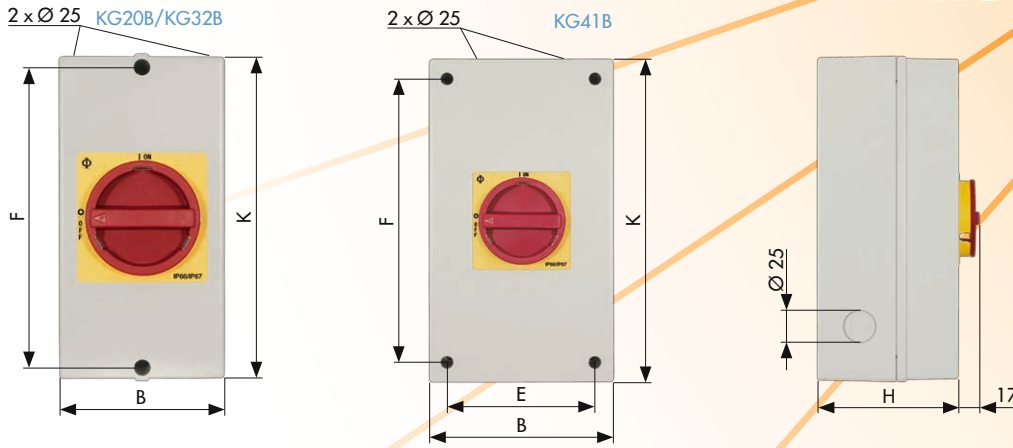
**Rated Value / Order Number**

	16 A	25 A	32 A
<b>Operational Current</b>	<b>16 A</b>	<b>25 A</b>	<b>32 A</b>
<b>Operational Voltage</b>	<b>450 V DC</b>	<b>450 V DC</b>	<b>450 V DC</b>
Max. Off load voltage of the PV inverter	520 V DC	520 V DC	520 V DC
Insulation Voltage	690 V	690 V	690 V
<b>Operational Current</b>	<b>12 A</b>	<b>20 A</b>	
<b>Operational Voltage</b>	<b>500 V DC</b>	<b>500 V DC</b>	
Max. Off load voltage of the PV inverter	575 V DC	575 V DC	
Insulation Voltage	690 V	690 V	
<b>Order Number</b>	<b>KG20 T204/D-P003 KL51V</b>	<b>KG32 T204/D-P003 KL51V</b>	<b>KG41 T204/D-P003 KL11V</b>

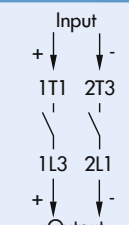

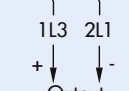

Data valid only, if the pre-assembled jumpers have not been modified.

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

Disconnectors for  
**Photovoltaic**



	KG20B/ KG32B	KG41B
B	100	145
E	—	124
F	178	229
H	93	107
K	190	250

Connecting diagram	Tightening torque for terminal screws	Strip length
	KG20B/ KG32B 1,25 Nm	KG20B/ KG32B 9 
	KG41B 1,80 Nm	KG41B 10 

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: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C (KG32B from 26 A: 35 °C during 24 hours with peaks up to 40 °C)  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20  
Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire  
flexible wire

KG20B / KG32B: 6 mm <sup>2</sup>	KG41B: 16 mm <sup>2</sup>
KG20B / KG32B: 4 mm <sup>2</sup>	KG41B: 10 mm <sup>2</sup>

**Mounting**

Plastic Enclosures, Protection IP66/67, totally insulated, knock-out entries,  
Red handle and contrasting yellow escutcheon plate, OFF-position lockable with padlocks, cover coupling with interlock

**Rated Value / Order Number**

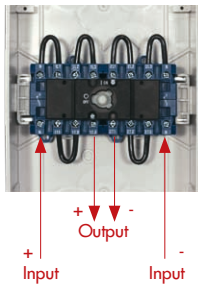
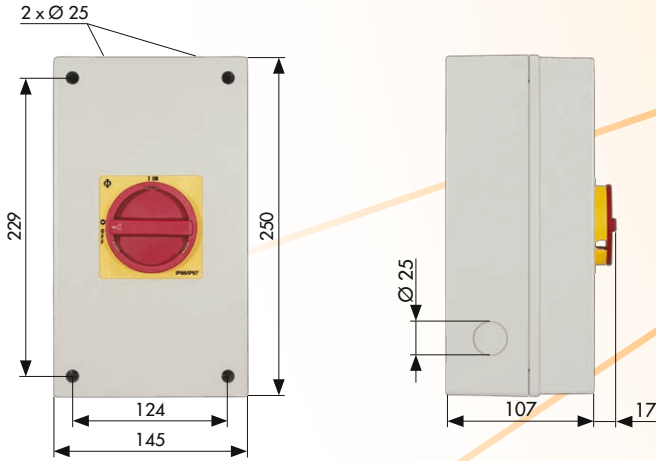
	16 A	32 A	32 A
<b>Operational Current</b>	<b>16 A</b>	<b>32 A</b>	<b>32 A</b>
<b>Operational Voltage</b>	<b>650 V DC</b>	<b>500 V DC</b>	<b>650 V DC</b>
Max. Off load voltage of the PV inverter	750 V DC	575 V DC	750 V DC
Insulation Voltage	1000 V	1000 V	1000 V
<b>Operational Current</b>	<b>12 A</b>	<b>25 A</b>	
<b>Operational Voltage</b>	<b>800 V DC</b>	<b>650 V DC</b>	
Max. Off load voltage of the PV inverter	920 V DC	750 V DC	
Insulation Voltage	1000 V	1000 V	
<b>Order Number</b>	<b>KG20B T206/D-P003 KL11V</b>	<b>KG32B T206/D-P003 KL11V</b>	<b>KG41B T206/D-P003 KL11V</b>

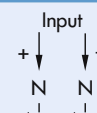



Data valid only, if the pre-assembled jumpers have not been modified.

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

Disconnectors for  
**Photovoltaic**



Connecting diagram	Tightening torque for terminal screws	Strip length
	KG20B/ KG32B	1,25 Nm
	KG41B	1,80 Nm
		KG20B/ KG32B: 9  KG41B: 10 

**Contact development: 2 pole, 8 contacts per circuit (2 x 4 in series)**

**General Data**

Switch Disconnector according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20

Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire      KG20B / KG32B: 6 mm<sup>2</sup>      KG41B: 16 mm<sup>2</sup>  
flexible wire      KG20B / KG32B: 4 mm<sup>2</sup>      KG41B: 10 mm<sup>2</sup>

**Mounting**

Plastic Enclosures, Protection IP66/67, totally insulated, knock-out entries,  
Red handle and contrasting yellow escutcheon plate, OFF-position lockable with padlocks, cover coupling with interlock

**Rated Value / Order Number**

	<b>16 A</b>	<b>25 A</b>	<b>32 A</b>
<b>Operational Current</b>	<b>16 A</b>	<b>25 A</b>	<b>32 A</b>
<b>Operational Voltage</b>	<b>800 V DC</b>	<b>800 V DC</b>	<b>800 V DC</b>
Max. Off load voltage of the PV inverter	920 V DC	920 V DC	920 V DC
Insulation Voltage	1000 V	1000 V	1000 V

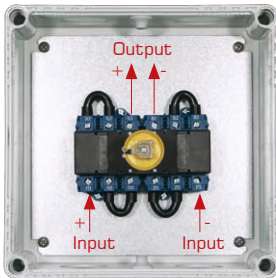
**Order Number**      **KG20B T208/D-P003 KL11V**      **KG32B T208/D-P003 KL11V**      **KG41B T208/D-P003 KL11V**

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

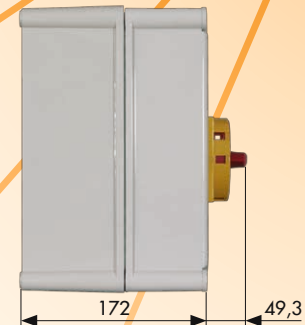
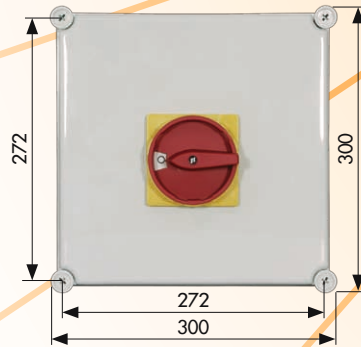
DC Disconnectors for Solar Photovoltaic (PV) Power Supply System  
acc. to IEC 60364-7-712:2002

Disconnectors for  
**Photovoltaic**

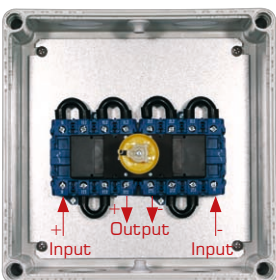
**650 V DC**



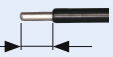
**Contact development: 2 pole**  
6 contacts per circuit (2 x 3 in series)



**800 V DC**



**Contact development: 2 pole**  
8 contacts per circuit (2 x 4 in series)

Connecting diagram 6 contacts	Connecting diagram 8 contacts	Tightening torque for terminal screws	Strip length
<pre>           Input           +   -                           1T1 2T3   1L3 2L1                           +   -           Output         </pre>	<pre>           Input           +   -                           N   N   1T3 2T1                           +   -           Output         </pre>	KG80C 3,00 Nm	KG80C 14 

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**General Data**

Switch Disconnecter according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application and for continuous switching  
Ambient Temperature (open): 50 °C during 24 hours with peaks up to 55 °C  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20  
Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire 50 mm<sup>2</sup>  
flexible wire 35 mm<sup>2</sup>

**Mounting**

Plastic Enclosures, Protection IP66/67, totally insulated, without entries  
Red handle and contrasting yellow escutcheon plate, OFF-position lockable with padlocks, cover coupling with interlock

**Rated Value / Order Number**

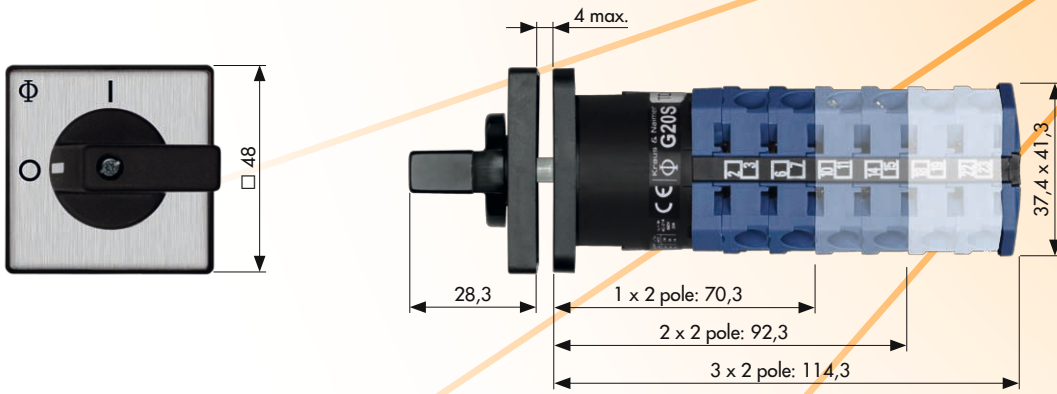
	<b>63 A</b>	<b>64 A</b>
<b>Operational Current</b>	<b>63 A</b>	<b>64 A</b>
<b>Operational Voltage</b>	<b>650 V DC</b>	<b>800 V DC</b>
Max. Off load voltage of the PV inverter	750 V DC	920 V DC
Insulation Voltage	1000 V	1000 V
<b>Order Number</b>	<b>KG80C T206/D-P003 STM</b>	<b>KG80C T208/D-P003 STM</b>

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

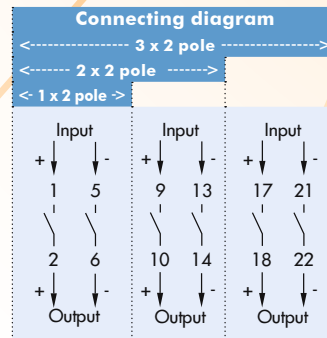


DC Disconnectors for Solar Photovoltaic (PV) Power Supply System  
acc. to IEC 60364-7-712:2002

Disconnectors for  
**Photovoltaic**



Drilling plan	Tightening torque for terminal screws	
	G20S	0,8 Nm
	<b>Strip length</b>	
	G20S	8



**Contact development: 1 x 2 pole, 2 x 2 pole and 3 x 2 pole**

**General Data**

Switch Disconnecter according to EN 60947-3 respectively VDE 0660 Part 107  
 Utilization Category: DC-22 A for Photovoltaic Application  
 Ambient Temperature (open): 55 °C during 24 hours, 65 °C during 8 hours  
 Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20  
 Maximum permissible wire gage (use copper wire only)  
 single core wire or stranded wire      2 x 2,5 mm<sup>2</sup>  
 flexible wire      2 x 2,5 mm<sup>2</sup>

**Mounting**

Four hole panel mounting, panel thickness max. 4 mm,  
 Escutcheon Plate Backing brushed alu, standard handle

**Rated Value / Order Number**

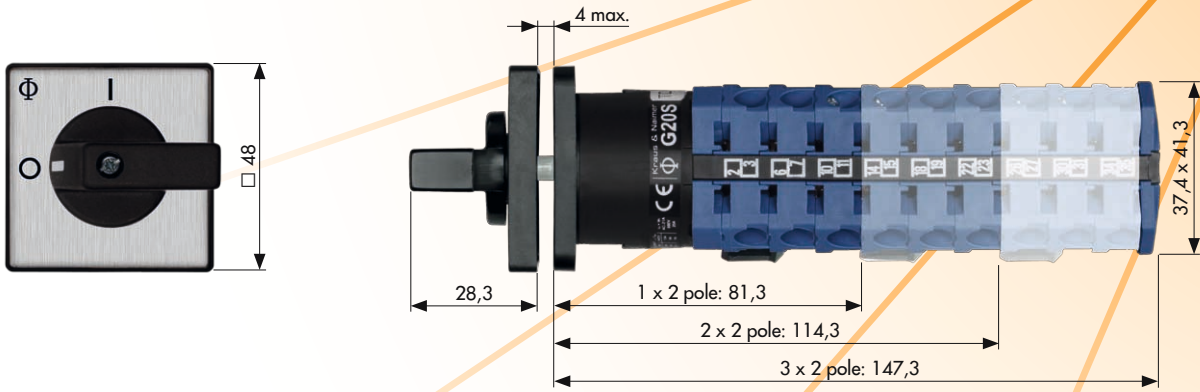
	1 x 2 pole	2 x 2 pole	3 x 2 pole
<b>Operational Current</b>	<b>20 A</b>	<b>20 A</b>	<b>20 A</b>
<b>Operational Voltage</b>	<b>500 V DC</b>	<b>500 V DC</b>	<b>500 V DC</b>
Max. Off load voltage of the PV inverter	630 V DC	630 V DC	630 V DC
Insulation Voltage	630 V	630 V	630 V
<b>Order Number</b>	<b>G20S TD3102 E</b>	<b>G20S TD3104 E</b>	<b>G20S TD3106 E</b>

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

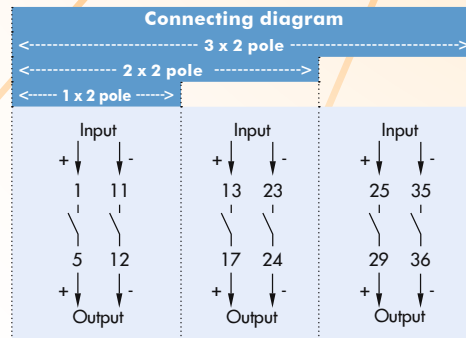
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DC Disconnectors for Solar Photovoltaic (PV) Power Supply System  
acc. to IEC 60364-7-712:2002

Disconnectors for  
**Photovoltaic**



Drilling plan	Tightening torque for terminal screws	
	G20S	0,8 Nm
	Strip length	
	G20S	8



**Contact development: 1 x 2 pole, 2 x 2 pole and 3 x 2 pole**

**General Data**

Switch Disconnector according to EN 60947-3 respectively VDE 0660 Part 107  
 Utilization Category: DC-22 A for Photovoltaic Application  
 Ambient Temperature (open): 55 °C during 24 hours, 65 °C during 8 hours  
 Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20  
 Maximum permissible wire gage (use copper wire only)  
 single core wire or stranded wire      2 x 2,5 mm<sup>2</sup>  
 flexible wire      2 x 2,5 mm<sup>2</sup>

**Mounting**

Four hole panel mounting, panel thickness max. 4 mm,  
 Escutcheon Plate Backing brushed alu, standard handle

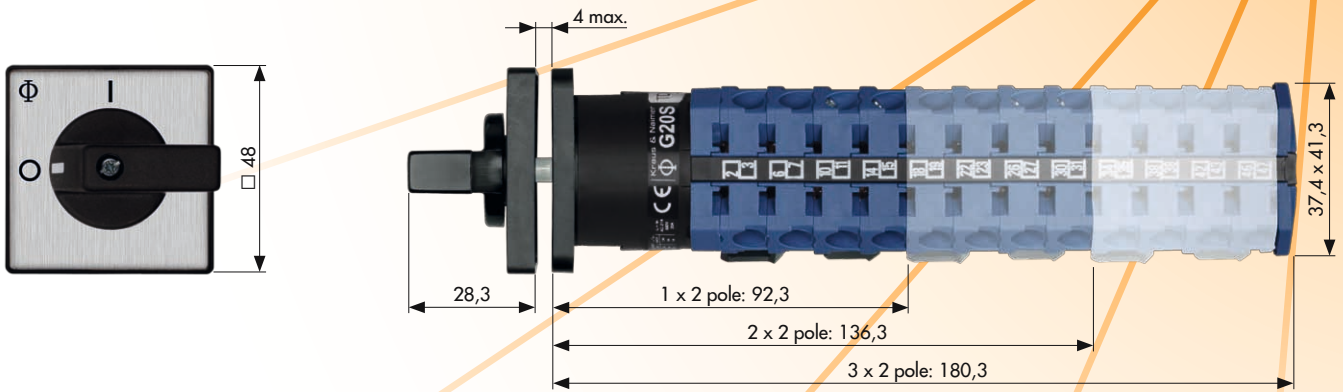
**Rated Value / Order Number**

	1 x 2 pole	2 x 2 pole	3 x 2 pole
<b>Operational Current</b>	<b>20 A</b>	<b>20 A</b>	<b>20 A</b>
<b>Operational Voltage</b>	<b>750 V DC</b>	<b>750 V DC</b>	<b>750 V DC</b>
Max. Off load voltage of the PV inverter	1000 V DC	1000 V DC	1000 V DC
Insulation Voltage	1000 V	1000 V	1000 V
<b>Order Number</b>	<b>G20S TD3351 E</b>	<b>G20S TD3352 E</b>	<b>G20S TD3353 E</b>

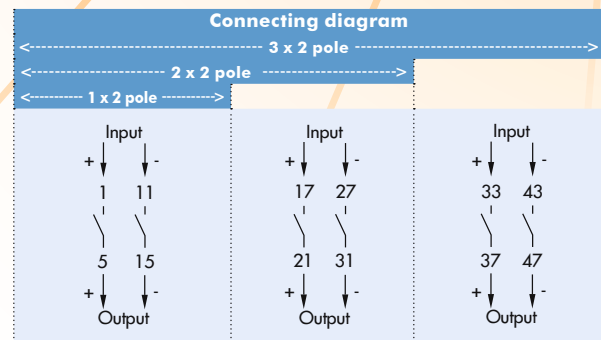
Data valid only, if the pre-assembled jumpers have not been modified.

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

Disconnectors for  
**Photovoltaic**



Drilling plan	Tightening torque for terminal screws	
	G20S	0,8 Nm
	<b>Strip length</b>	
	G20S	



**Contact development: 1 x 2 pole, 2 x 2 pole and 3 x 2 pole**

**General Data**

Switch Disconnector according to EN 60947-3 respectively VDE 0660 Part 107  
Utilization Category: DC-22 A for Photovoltaic Application  
Ambient Temperature (open): 55 °C during 24 hours, 65 °C during 8 hours  
Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20  
Maximum permissible wire gage (use copper wire only)  
single core wire or stranded wire      2 x 2,5 mm<sup>2</sup>  
flexible wire      2 x 2,5 mm<sup>2</sup>

**Mounting**

Four hole panel mounting, panel thickness max. 4 mm,  
Escutcheon Plate Backing brushed alu, standard handle

**Rated Value / Order Number**

	1 x 2 pole	2 x 2 pole	3 x 2 pole
<b>Operational Current</b>	<b>20 A</b>	<b>20 A</b>	<b>20 A</b>
<b>Operational Voltage</b>	<b>1000 V DC</b>	<b>1000 V DC</b>	<b>1000 V DC</b>
Max. Off load voltage of the PV inverter	1000 V DC	1000 V DC	1000 V DC
Insulation Voltage	1000 V	1000 V	1000 V
<b>Order Number</b>	<b>G20S TD3202 E</b>	<b>G20S TD3204 E</b>	<b>G20S TD3206 E</b>

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



**Kraus & Naimer**  
BLUE LINE switchgear

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