



Brochure panorama

Switches for photovoltaic applications

Disconnect switches

OTDC and OTDCP

Power and productivity
for a better world™



DC switch-disconnectors, front operated 16...800 A, IEC



IEC 60947

	OTDC16F2	OTDC16F3	OTDC16F4	OTDC100E02	OTDC100E11
	OTDC25F2	OTDC25F3	OTDC25F4	OTDC160E02	OTDC160E11
	OTDC32F2	OTDC32F3	OTDC32F4	OTDC200E02	OTDC200E11
				OTDC250E02	OTDC250E11
U_e [V DC]	660	1000	1000 / 2x660	1000	1000
I _e , DC-21B [A]	16 25 32	16 25 32	16 25 32	100 160 200 250	100 160 200 250



IEC 60947

	OTDC315E02	OTDC315E11	OTDC315EV12	OTDC315E22	OTDC315E33	OTDC630EPP22
	OTDC400E02	OTDC400E11	OTDC400EV12	OTDC400E22	OTDC400E33	OTDC800EPP22
	OTDC500E02	OTDC500E11	OTDC500EV12	OTDC500E22	OTDC500E33	
U_e [V DC]	1000	1000	1500	1000	1000/1500	1000
I _e , DC-21B [A]	315 400 500	315 400 500	315 400 500	315 400 500	315 400 500	630 800

DC switch-disconnectors, enclosed 16...32 A, IEC



IEC 60947

	OTDCP16SA11M	OTDCP16S11M	OTDCP16SA21M	OTDCP16S21M	OTDCP16SA22_	OTDCP16S22_
	OTDCP25SA11M	OTDCP25S11M	OTDCP25SA21M	OTDCP25S21M	OTDCP25SA22_	OTDCP25S22_
	OTDCP32SA11M	OTDCP32S11M	OTDCP32SA21M	OTDCP32S21M	OTDCP32SA22_	OTDCP32S22_
U_e [V DC]	660	660	1000	1000	1000 / 2x660	1000 / 2x660
I _e , DC-21B [A]	16 25 32	16 25 32	16 25 32	16 25 32	16 25 32	16 25 32

DC disconnect switches, front operated 16...600 A, UL*)



UL508i

File E4466875

Base or DIN-rail mounting

	OTDC16U2	OTDC16U4	OTDC16U6	OTDC16US2	OTDC16US4	OTDC16US6
	OTDC25U2	OTDC25U4		OTDC25US2	OTDC25US4	
		OTDC32U4			OTDC32US4	
Rated Voltage [V DC]	600	600	600	600	600	600
Rated current [A]	16 25	16 25 32	16	16 25	16 25 32	16



UL508i

File E4466875

Door mounting

	OTDC16UT2	OTDC16UT4	OTDC16UT6	OTDC16UST2	OTDC16UST4	OTDC16UST6
	OTDC25UT2	OTDC25UT4		OTDC25UST2	OTDC25UST4	
		OTDC32UT4			OTDC32UST4	
Rated Voltage [V DC]	600	600	600	600	600	600
Rated current [A]	16 25	16 25 32	16	16 25	16 25 32	16



UL98B

File #E354681

	OTDC100U02	OTDC100U11	OTDC100U22	OTDC100US02	OTDC100US11	OTDC100US22
	OTDC200U02	OTDC200U11	OTDC180U22	OTDC200US02	OTDC200US11	OTDC180US22
Rated Voltage [V DC]	1000	1000	1000	1000	1000	1000
Rated current [A]	100 200	100 200	100 180	100 200	100 200	100 180

*) All UL listed products (except side operated) are also IEC rated up to 800 A

DC disconnect switches, front operated 16...600 A, UL^{*})



UL98B
File #E354681

	OTDC250US02	OTDC250US11	OTDC250US22	OTDC600USPP22
	OTDC320US02	OTDC320US11	OTDC320US22	
	OTDC400US02	OTDC400US11	OTDC400US22	
Rated Voltage [V DC]	1000	1000	1000	1000
Rated current [A]	250 320 400	250 320 400	250 320 400	600



UL98B
File #E354681

	OTDC250U02	OTDC250U11	OTDC250U12	OTDC250U22	OTDC600UPP22
	OTDC320U02	OTDC320U11	OTDC320U12	OTDC320U22	
	OTDC400U02	OTDC400U11	OTDC400U12	OTDC400U22	
Rated Voltage [V DC]	1000	1000	1500^{*)}	1000	1000
Rated current [A]	250 320 400	250 320 400	250 320 400	250 320 400	600

^{*)} All UL listed products (except side operated) are also IEC rated up to 800 A

^{**)} UL98B self-certified at 1500 VDC while standard only goes up to 1000 VDC

DC disconnect switches, side operated 100...400 A, UL



UL-types
UL98B
File #E354681

	OTDC100U20S	OTDC250U20S	OTDC100US20S	OTDC250US20S
	OTDC200U20S	OTDC320U20S	OTDC200US20S	OTDC320US20S
		OTDC400U20S		OTDC400US20S
Rated voltage [V DC]	1000	1000	1000	1000
Rated current [A]	100 200	250 320 400	100 200	250 320 400

Type designation key

OTDC16...32, IEC

OTDC	16	F	3
1	2	3	4

1	Brand
OTDC	ABB DC switch-disconnector brand
2	Switch size
16...32	16, 25 and 32 Amperes
3	Mounting/construction
F_	Base mounted, IEC
U_	Base mounted, UL508i
US_	Base mounted, UL, factory mounted jumpers

UT	Door mounted, UL
UST	Door mounted, UL, factory mounted jumpers
FT	Door mounted, IEC
4	Number of poles
2	Two poles
3	Three poles
4	Four poles
6	Six poles

OTDC100...800, IEC and UL98B

OTDC	200	U	S	11	K
1	2	3	4	5	6

1	Brand
OTDC	ABB DC switch-disconnector brand
2	Switch size
100...800	100...800 Amperes
3	Voltage and standard
E	1000 VDC, IEC
U	1000 VDC, UL98B
4	Short circuit links
blank	Short circuit links not included
V	Factory mounted short circuit link, 1500 VDC
S	Pre-mounted short circuit links, single wire breaking
PP	Pre-mounted connection bars, supply and load side parallel

5	Number of poles
11	Two poles, mechanism between the poles
02, 20	Two poles, mechanism at the end of the switch
12	Three poles, mechanism between the poles
22	Four poles, mechanism between the poles
04, 40	Four poles, mechanism at the end of the switch
33	Six poles, mechanism between the poles
6	Included handle
-	none
P	external handle
K	direct mount, front operation
S	direct mount, side operation

OTDCP16...32, IEC

OTDC	P	16	S	11	M	D
1	2	3	4	5	6	7

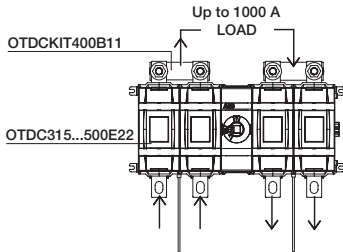
1	Brand
OTDC	ABB DC switch-disconnector brand
2	Enclosure material
P	Plastic
3	Switch size
16...32	16, 25 and 32 Amperes
4	Selector handle color
S	Black
SA	Red-yellow
5	Contact configuration
11, 12, 22	See connection diagrams in pages 16-17

6	Cable entries
M	Threaded knock-out M20
M16	Threaded knock-out M16
U	Blank cable entries
UM	Black top cable entry and threaded knockout M20 bottom cable entry
M16	Threaded knockouts: M16 top cable entry and M20 bottom cable entry
7	Connection options
-	Single circuit use
D	Double circuit use

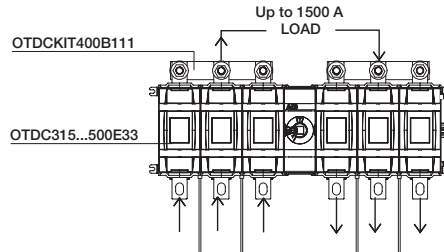
Load side combining, IEC & UL

Connection bars are sold as accessories for the below OTDC disconnect switches to combine outputs to the load.

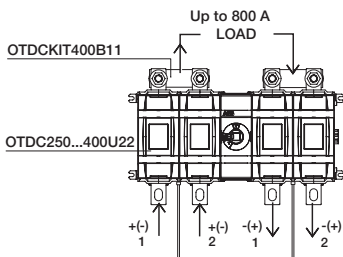
IEC, 2 x 315/400/500 A



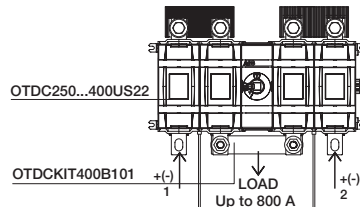
IEC, 3 x 315/400/500 A



UL, 2 x 250/320/400 A



UL (grounded), 2 x 250/320/400 A



OTDC42GB 14-11 TSCC301015B0201

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