

OTDC Switch-disconnectors for 1500Vdc range expanded



The OTDC Switch-disconnector 1500Vdc offering (Link) has been extended with side operated and with higher current products for photovoltaic and ESS applications. The 1500Vdc offering includes now side operated types from 315A up to 630A (IEC 60947) and 250A up to 600A (UL98B). Furthermore the offering has now parallel connected pole types from 800A up to 1000A (IEC 60947 and UL98B).

Product highlights:

- Tested according to IEC60947-3 and UL98B
- CE, UL and CCC certified
- Ratings according to utilization categories DC21B up to DC-PV2 and DC-22B
- mechanical endurance 10.000 operating cycles
- Rated short-time withstand current I_{cw} up to 63kA
- Rated conditional short-circuit current I_q up to 100kA
- Optimized arc chamber with long opening angle and patented DMB© - Dual Magnetic Breaking
- Inspection window for a direct view of the contact position
- Symmetrical pole design enables independent polarity

For more information:

OTDC Website
OTDC315...1000F_



Installation instruction
OTDC315...800F_



Installation instruction
OTDC800...1000F_22



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Type code list of products released for sales 14.09.2020

Type code	Order code	Voltage	Rated Operational current, DC-21B	Rated Operational current, DC-PV2	Rated current (UL)	Certification	Number of circuits	Operating Mode	Circuit Connection
OTDC800F22	1SCA160619R1001	1000Vdc	800A			CE, CCC	1	Front operated	6c, 6g
OTDC1000F22	1SCA161286R1001	1000Vdc	1000A			CE, CCC	1	Front operated	6c, 6g
OTDC800UF22	1SCA161282R1001	1000Vdc	800A			UL, CE, CCC	1	Front operated	6c, 6g
OTDC1000UF22	1SCA161290R1001	1000Vdc	1000A			UL, CE, CCC	1	Front operated	6c, 6g
OTDC800FV22	1SCA161280R1001	1500Vdc	800A			CE, CCC	1	Front operated	6c, 6g
OTDC1000FV22	1SCA161288R1001	1500Vdc	1000A			CE, CCC	1	Front operated	6c, 6g
OTDC800UFV22	1SCA161284R1001	1500Vdc	800A			UL, CE, CCC	1	Front operated	6c, 6g
OTDC315FV02S	1SCA161226R1001	1500Vdc	315A	315A		CE, CCC	1	Side operated	2a, 2b
OTDC400FV02S	1SCA161232R1001	1500Vdc	400A	400A		CE, CCC	1	Side operated	2a, 2b
OTDC500FV02S	1SCA161237R1001	1500Vdc	500A	500A		CE, CCC	1	Side operated	2a, 2b
OTDC630FV02S	1SCA161268R1001	1500Vdc	630A	500A		CE, CCC	1	Side operated	2a, 2b
OTDC250UFV02S	1SCA161243R1001	1500Vdc	315A	315A	250A	UL, CE, CCC	1	Side operated	2a, 2b
OTDC320UFV02S	1SCA161249R1001	1500Vdc	400A	400A	320A	UL, CE, CCC	1	Side operated	2a, 2b
OTDC400UFV02S	1SCA161256R1001	1500Vdc	500A	500A	400A	UL, CE, CCC	1	Side operated	2a, 2b
OTDC600UFV02S	1SCA161264R1001	1500Vdc	630A	500A	600A	UL, CE, CCC	1	Side operated	2a, 2b
OTDC800F22-ESS	1SCA161279R1001	1000Vdc	800A			CE, CCC	1	Front operated	6c, 6g
OTDC1000F22-ESS	1SCA161287R1001	1000Vdc	1000A			CE, CCC	1	Front operated	6c, 6g
OTDC800UF22-ESS	1SCA161283R1001	1000Vdc	800A			UL, CE, CCC	1	Front operated	6c, 6g
OTDC1000UF22-ESS	1SCA161291R1001	1000Vdc	1000A			UL, CE, CCC	1	Front operated	6c, 6g
OTDC800FV22-ESS	1SCA161281R1001	1500Vdc	800A			CE, CCC	1	Front operated	6c, 6g
OTDC1000FV22-ESS	1SCA161289R1001	1500Vdc	1000A			CE, CCC	1	Front operated	6c, 6g
OTDC800UFV22-ESS	1SCA161285R1001	1500Vdc	800A			UL, CE, CCC	1	Front operated	6c, 6g
OTDC1000UFV22-ESS	1SCA161293R1001	1500Vdc	1000A			UL, CE, CCC	1	Front operated	6c, 6g
OTDC1000UFV22	1SCA161292R1001	1500Vdc	1000A			UL, CE, CCC	1	Front operated	6c, 6g

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www.abb.com/contacts

> **Low Voltage Products and Systems**