

## DSX switch-disconnectors and transfer switching equipment - fixing on plate version - accessories



Pack	Cat.Nos	Locking accessory
1	4 242 34	Direct key lock Comprising: keylock assembly and Ronis type key (random)
1	4 242 46	<b>Sealable terminal shields - IP 40</b> For DSX switch-disconnectors and transfer switching equipment
1	4 242 47	<b>For frame 1</b> For 3-pole switches
1	4 242 47	For 4-pole switches
1	4 242 35	<b>For frame 2</b> For 3-pole switches
1	4 242 36	For 4-pole switches
1	4 242 50	<b>Insulated shields (phase barriers)</b> For DSX switch-disconnectors and transfer switching equipment
1	4 242 51	For isolating the connections between each pole Flexible thermoplastic - PVC
1	4 242 52	<b>For frame 1</b> For 3-pole switches. Set of 4
1	4 242 51	For 4-pole switches. Set of 6
1	4 242 42	<b>For frame 2</b> For 3-pole switches. Set of 4
1	4 242 43	For 4-pole switches. Set of 6
1	4 242 52	<b>Inter source barriers for transfer switching equipment</b> Source separators to prevent accidental contacts
1	4 242 39	For frame 1
1	4 242 39	For frame 2
1	4 242 53	<b>Spreaders</b> For DSX switch-disconnectors and transfer switching equipment
1	4 242 54	Incoming/outgoing spreaders supplied with U clamps For easier connection of copper and aluminium cables
1	4 242 53	<b>For frame 1</b> For 3-pole switches. Set of 3
1	4 242 54	For 4-pole switches. Set of 4
1	4 242 37	<b>For frame 2</b> For 3-pole switches. Set of 3
1	4 242 38	For 4-pole switches. Set of 4
1	4 242 48	<b>Bridging links for transfer switching equipment</b> For frame 1
1	4 242 49	For 3-pole switches. Set of 3
1	4 242 49	For 4-pole switches. Set of 4
1	4 242 40	<b>For frame 2</b> For 3-pole switches. Set of 3
1	4 242 41	For 4-pole switches. Set of 4

## DSX switch-disconnectors and transfer switching equipment - technical characteristics

### Technical characteristics

#### Switch-disconnectors

	Frame 1 - 160 A			Frame 2 - 320 A				
Rated current I <sub>n</sub> (A)	100	125	160	200	250	320		
Number of poles	3, 4			3, 4				
Rated insulation voltage U <sub>i</sub> (V)	1000			1000				
Rated impulse withstand voltage U <sub>imp</sub> (kV)	8			12				
Degree of pollution	3			3				
Rated frequency (Hz)	50/60			50/60				
Dielectric strength 50 Hz 1 min (kV)	8			12				
Rated operational voltage (AC) U <sub>e</sub> (V)	690			690				
Rated operational voltage (DC) U <sub>e</sub> (V)	250			250				
Category of use IEC 60947-3:	415 V~	AC 20 A/B	100	125	160	200	250	320
		AC 21 A/B	100	125	160	200	250	320
		AC 22 A/B	100	125	160	200	250	320
		AC 23 A/B	100	125	160	200	250	320
	690 V~	AC 20 A/B	100	125	160	200	250	320
		AC 21 A/B	100	125	160	200	250	320
		AC 22 A/B	100	125	160	200	250	320
		AC 23 A/B	100	125	125	200	250	250
	250 V=	DC 20 A/B	100	125	160	200	250	320
		DC 21 A/B	100	125	160	200	250	320
		DC 22 A/B	100	125	160	200	250	320
		DC 23 A/B	100	125	125	200	250	250
Short circuit making capacity I <sub>cm</sub> (kA)	14 peak			25 peak				
Maximal withstand peak current (while protection breaks short circuit) (kA)	25 kArms with DPX <sup>3</sup> 160 at 415 V			50 kArms with DPX <sup>3</sup> 630 at 415 V				
Short time withstand current (1 s) I <sub>cw</sub> (kA)	8			12.5				
Mechanical endurance (No. of operations)	10000			10000				
Electrical endurance (No. of operations)	2500			2000				
Rated Ambient temperature T <sub>a</sub> (°C)	40/50			40/50				
Operating temperature range (°C)	-25/+70			-25/+70				
Storage temperature range (°C)	-25/+70			-25/+70				
Temperature Withstand range (°C)	-50/+70			-50/+70				
Terminal type	Extended			Extended				
Maximum copper lug/bar size (thickness/width) (mm)	Cu	3/20			4/30			
	Al	2 x 3/20			2 x 4/30			

#### Transfer switching equipment

	Frame 1 - 160 A			Frame 2 - 320 A				
Rated current I <sub>n</sub> (A)	100	125	160	200	250	320		
Number of poles	3, 4			3, 4				
Rated insulation voltage U <sub>i</sub> (V)	1000			1000				
Rated impulse withstand voltage U <sub>imp</sub> (kV)	8			12.5				
Degree of pollution	3			3				
Rated frequency (Hz)	50/60			50/60				
Dielectric strength 50 Hz 1 min (kV)	8			10				
Rated operational voltage (AC) U <sub>e</sub> (V)	690			690				
Rated operational voltage (DC) U <sub>e</sub> (V)	250			250				
Category of use IEC 60947-3:	415 V~	AC 20 A/B	100	125	160	200	250	320
		AC 21 A/B	100	125	160	200	250	320
		AC 22 A/B	100	125	160	200	250	320
		AC 23 A/B	100	125	160	200	250	320
	690 V~	AC 20 A/B	100	125	160	200	250	320
		AC 21 A/B	100	125	160	200	250	320
		AC 22 A/B	100	125	160	200	250	320
		AC 23 A/B	100	125	125	200	250	250
	250 V=	DC 20 A/B	100	125	160	200	250	320
		DC 21 A/B	100	125	160	200	250	320
		DC 22 A/B	100	125	160	200	250	320
		DC 23 A/B	100	125	125	200	250	250
Category of use IEC 60947-6-1:	415 V~	AC 31 B	100	125	160	200	250	320
		AC 32 B	100	125	160	200	250	320
	690 V~	AC 33 B	100	125	160	200	250	320
		AC 31 B	100	125	160	200	250	320
		AC 32 B	100	125	160	200	250	320
		AC 33 B	100	125	160	200	250	320
Short circuit making capacity I <sub>cm</sub> (kA)	14 peak			25 peak				
Maximal withstand peak current (while protection breaks short circuit) (kA)	25 kArms with DPX <sup>3</sup> 160 at 415 V			50 kArms with DPX <sup>3</sup> 630 at 415 V				
Short time withstand current (1 s) I <sub>cw</sub> (kA)	8			12				
Mechanical endurance (No. of operations)	10000			10000				
Electrical endurance (No. of operations)	2500			2000				
Rated Ambient temperature T <sub>a</sub> (°C)	40/50			40/50				
Operating temperature range (°C)	-25/+70			-25/+70				
Storage temperature range (°C)	-25/+70			-25/+70				
Terminal type	Extended			Extended				
Maximum copper lug/bar size (thickness/width) (mm)	Cu	3/20			4/30			
	Al	2 x 3/20			2 x 4/30			