

# DPX™-IS isolating switches

63 to 1600 A

## Electrical characteristics

### DPX-IS 250

Rating		63 A	100 A	160 A	250 A
Connection	Cu flexible	150 mm <sup>2</sup>			
	Cu rigid / Alu	185 mm <sup>2</sup>			
Copper bar		Width max. 28 mm			
Nominal rating (Ue)		690 V~ - 250 V=			
Rated insulation voltage (Ui)		800 V~			
Rated impulse withstand voltage (Uimp)		8 kV~			
AC 23 A	415 V~	63 A	100 A	160 A	250 A
	500 V~	63 A	100 A	160 A	200 A
	690 V~	63 A	100 A	160 A	250 A
AC 22 A	690 V~	63 A	100 A	160 A	250 A
Short-circuit making capacity (kA efficient) (Icm)		40 kA			
I admissible Is (Icw)		12 kA efficient			
I admissible with fuse (Icc)		100 kA efficient			
Max. rating of fuse	gG	63 A	100 A	160 A	250 A
	aM	63 A	100 A	160 A	160 A
Rated closing capacity on short circuit (kA peak) (Icm)		40 kA			
Endurance (cycles)	mechanical	25000 operations			
	electrical (AC 23 - 415 V~)	2500 operations			
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### DPX-IS 1600

Rating		800 A	1000 A	1250 A	1600 A
Connection	Cu flexible	2 x 185 mm <sup>2</sup> or 4 x 185 mm <sup>2</sup>			
	Cu rigid / Alu	2 x 240 mm <sup>2</sup> or 4 x 240 mm <sup>2</sup>			
Copper bar/lugs		50 mm or 80 mm			
Nominal rating (Ue)		690 V~			
Rated insulation voltage (Ui)		800 V~			
Rated impulse withstand voltage (Uimp)		8 kV~			
AC 23 A	415 V~	800 A	1000 A	1250 A	1600 A
	500 V~	800 A	1000 A	1250 A	1600 A
	690 V~	800 A	1000 A	1250 A	1600 A
DC 23 A	250 V=	800 A	1000 A	1250 A	1600 A
I admissible Is (Icw)		12 kA efficient			
I admissible with fuse (Icc)		100 kA efficient			
Max. rating of fuse	gG	800 A	1000 A	1250 A	1600 A
	aM	800 A	1000 A	1250 A	1600 A
Short-circuit making capacity (kA peak) (Icm)		40 kA			
Endurance	mechanical	10000			
	electrical (AC 23 - 415 V~) (Icm)	3000	3000	2000	2000
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### DPX-IS 630

Rating		400 A	630 A
Connection	Cu flexible	1 x 240 or 2 x 185 mm <sup>2</sup>	
	Cu rigid / Alu	1 x 300 or 2 x 240 mm <sup>2</sup>	
Copper bar		Width max. 32 mm	
Nominal rating (Ue)		690 V~	
Rated insulation voltage (Ui)		800 V~	
Rated impulse withstand voltage (Uimp)		8 kV~	
AC 23 A	415 V~	400 A	630 A
	500 V~	400 A	630 A
	690 V~	400 A	630 A
AC 22 A	690 V~	400 A	630 A
DC 23 A	250 V=	400 A	630 A
Rated closing capacity on short circuit (kA peak) (Icm)		40 kA	
I admissible Is (Icw)		20 kA efficient	
I admissible with fuse (kA efficient) (Icc)		100 kA	
Max. rating of fuse	gG	400 A	630 A
	aM	400 A	630 A
Endurance	mechanical	15000 operations	
	electrical (AC 23 - 415 V~)	1500 operations	
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