

DMX³ 2500/4000/6300

selectivity & discrimination

Limits of selectivity DMX³ / DPXTM (three phase circuit at 400 V A)

Downstream MCCB	Upstream ACB											
	In	DMX ³ 2500 (50 kA / 65 kA / 100 kA)					DMX ³ 4000 (50 kA / 65 kA / 100 kA)		DMX ³ 6300 (100 kA)			
		800	1000	1250	1600	2000	2500	3200	4000	5000	6300	
DPX ³ 160 T/M (16 kA / 25 kA / 36 kA / 50 kA)	16	T	T	T	T	T	T	T	T	T	T	
	25	T	T	T	T	T	T	T	T	T	T	
	40	T	T	T	T	T	T	T	T	T	T	
	63	T	T	T	T	T	T	T	T	T	T	
	80	T	T	T	T	T	T	T	T	T	T	
	100	T	T	T	T	T	T	T	T	T	T	
	125	T	T	T	T	T	T	T	T	T	T	
	160	T	T	T	T	T	T	T	T	T	T	
DPX ³ 160 T/M with electronic earth leakage module (16kA / 25kA / 36kA / 50kA)	16	T	T	T	T	T	T	T	T	T	T	
	25	T	T	T	T	T	T	T	T	T	T	
	40	T	T	T	T	T	T	T	T	T	T	
	63	T	T	T	T	T	T	T	T	T	T	
	80	T	T	T	T	T	T	T	T	T	T	
	100	T	T	T	T	T	T	T	T	T	T	
DPX ³ 250 T/M with electronic earth leakage (25kA / 36kA / 50kA / 70kA / 100 kA)	100	T	T	T	T	T	T	T	T	T	T	
	160	T	T	T	T	T	T	T	T	T	T	
	200	T	T	T	T	T	T	T	T	T	T	
	250	T	T	T	T	T	T	T	T	T	T	
DPX ³ 250 T/M with electronic earth leakage/metering (25kA / 36kA / 50kA / 70kA / 100kA)	40	T	T	T	T	T	T	T	T	T	T	
	100	T	T	T	T	T	T	T	T	T	T	
	160	T	T	T	T	T	T	T	T	T	T	
DPX ³ 250 T/M (25 kA / 36 kA / 50 kA / 70 kA / 100 kA)	250	T	T	T	T	T	T	T	T	T	T	
	40	T	T	T	T	T	T	T	T	T	T	
	63	T	T	T	T	T	T	T	T	T	T	
	100	T	T	T	T	T	T	T	T	T	T	
	160	T	T	T	T	T	T	T	T	T	T	
DPX ³ 250 S1 / S2 (36 kA / 70 kA / 100 kA)	250	T	T	T	T	T	T	T	T	T	T	
	40	T	T	T	T	T	T	T	T	T	T	
	100	T	T	T	T	T	T	T	T	T	T	
	160	T	T	T	T	T	T	T	T	T	T	
DPX ³ 630 T/M (36 kA / 70 kA / 100 kA)	250	T	T	T	T	T	T	T	T	T	T	
	320	T	T	T	T	T	T	T	T	T	T	
	400	T	T	T	T	T	T	T	T	T	T	
	500	T	T	T	T	T	T	T	T	T	T	
DPX ³ 630 S1 / S2 (36 kA / 70 kA / 100 kA)	630	T	T	T	T	T	T	T	T	T	T	
	250	T	T	T	T	T	T	T	T	T	T	
	400	T	T	T	T	T	T	T	T	T	T	
DPX ³ 1250 T/M (50 kA / 70 kA)	630	T	T	T	T	T	T	T	T	T	T	
	800	-	T	T	T	T	T	T	T	T	T	
	1000	-	-	T	T	T	T	T	T	T	T	
DPX ³ 1600 S1 / S2 (50 kA / 70 kA)	1250	-	-	-	T	T	T	T	T	T	T	
	1600	-	-	-	-	T	T	T	T	T	T	

Limits of selectivity DMX³ / DMX³ (three phase circuit at 400 V A)

Downstream	Upstream DMX ³									
	800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A	5000 A	6300 A
800 A			T	T	T	T	T	T	T	T
1000 A				T	T	T	T	T	T	T
1250 A					T	T	T	T	T	T
1600 A						T	T	T	T	T
2000 A							T	T	T	T
2500 A								T	T	T
3200 A									T	T
4000 A										T
5000 A										
6300 A										

T: total selectivity, up to downstream circuit breaker breaking capacity according to IEC 60947-2
 I_{cu} of downstream circuit breaker \leq I_{cu} of upstream circuit breaker
 Selectivity values are intended with protection unit properly adjusted