DPX³ 160/250

Adjustment for thermal-magnetic DPX³

Setting	DPX³ thermal magnetic	DPX³ with integrated e.l.c.bs
Ir overload trip threshold (thermal)	0.8 to 1 In	0.8 to 1 In
Im short-circuit trip threshold (magnetic)	fixed: 10 In(1)	fixed: 10 In(1)
$I_{\Delta n}$ (A)	-	0.03 - 0.03 - 1 - 3
Δt (s)	-	0 - 0.3 - 1 - 3

1: 400 A for DPX³ 160 In 16 A and 25 A

Adjustment for DPX³ electronic release

Setting	DPX³	DPX³ with integrated e.l.c.bs
Ir overload trip threshold (long delay)	0.4 to 1 In	
tr long delay trip time	3 - 5 - 10 - 15s	
$I_{\Delta n}$ (A)	-	0.03 - 0.03 - 1 - 3
Δt (s)	-	0 - 0.3 - 1 - 3
Isd short-circuit trip threshold (short delay)	1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 x Ir	
tsd short delay trip time	0.01 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5s	
Ig	(0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1 - OFF) x In	
tg	0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 1s	-

DPX³ tripping curves
see technical sheet

DPX³ 630/1600

reading DPX³ characteristic curves and adjustment ranges

Adjustment for thermal-magnetic DPX³

Setting	DPX³ 630	DPX³ 1600
Ir overload trip threshold (thermal)	0.8 to 1 In	0.8 to 1 In
Im short-circuit trip threshold (magnetic)	5 to 10 In	5 to 10 In

Adjustment for DPX³ electronic release

Threshold Setting	S1
Ir long delay setting current (protection against overloads)	Ir=0.4 ÷ 1 x In (with 2 selectors of 10 steps)
tr long delay protection operation time	tr=5 s (with memory ON)
Isd short delay setting current (protection against short-circuits)	Isd=1.5 ÷ 10 Ir (with 10 steps)
tsd short delay protection operation time	tsd=10 ms

Threshold Setting	S2
Ir long delay setting current (protection against overloads)	Ir=0.4 ÷ 1 x In (with 1 A steps)
tr long delay protection operation time	tr=3 ÷ 30s (with 7 steps and memory ON or OFF)
Isd short delay setting current (protection against short-circuits)	Isd=1.5 ÷ 10 Ir (with 11 steps)
tsd short delay protection operation time	tsd=0 ÷ 500 ms (with 6 steps and I^2t=k or t=k)

DPX³ tripping curves
see technical sheet