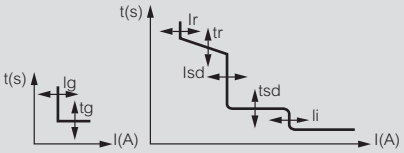
DMX³ 1600/2500/4000/6300

electronic protection units

Settings of the electronic protection units

MP2.10 and MP4.10

Ir, tr, Isd, tsd, Ii, Ig, tg adjustment



- **Long time delay protection against overloads**
  Ir from 0.2 to 1 x In with steps of 1 A
  Protection: ON/OFF
- **Long delay protection operation time**
  tr from 40 ms to 30 s (@6Ir) with steps of 40 ms
  Thermal memory: ON/OFF
- **Short time delay protection against short circuits**
  Isd from 1.5 to 10 x Ir with steps of 1 A
  Protection: ON/OFF
- **Short time delay protection operation time**
  tsd from 40 ms to 1 s with steps of 40 ms
  (both t=k and i^2t=k)
- **Instantaneous protection against very high short circuits**
  Ii from 2 to 15 x In or Icw with steps of 1 A
  Protection: ON/OFF
- **Earth fault current**
  Ig from 0.2 to 1 x In with steps of 1 A
  Protection: ON/OFF
  tg from 80 ms to 1 s with steps of 40 ms
  (both t=k and i^2t=k)
- **Neutral protection**
  OFF - 50% - 100% - 200%

DMX³ 2500/4000/6300

technical characteristics

Selectivity in three-phase network 415 V~

DMX³/DPX³

Upstream / Downstream		DMX³ 2500					DMX³ 4000	DMX³ 6300
		800 A	1000 A	1250 A	1600 A	2000 & 2500 A	3200 & 4000 A	5000 & 6300 A
DPX³ 160(1)		T	T	T	T	T	T	T
DPX³ 250(1)		T	T	T	T	T	T	T
DPX³ 630(1) TM and elec.		T	T	T	T	T	T	T
DPX³ 1600(1) thermal magnetic	630 A	T	T	T	T	T	T	T
	800 A		T	T	T	T	T	T
	1000 A			T	T	T	T	T
	1250 A				T	T	T	T
DPX³ 1600(1) electronic	630 A			T	T	T	T	T
	800 A			T	T	T	T	T
	1000 A				T	T	T	T
	1250 A				T	T	T	T
	1600 A					T	T	T

1: All breaking capacities
T: total selectivity, up to downstream circuit breaker breaking capacity according to IEC 60947-2

DMX³/DMX³

Upstream / Downstream		DMX³									
		800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A	5000 A	6300 A
DMX³	800 A		T	T	T	T	T	T	T	T	T
	1000 A			T	T	T	T	T	T	T	T
	1250 A				T	T	T	T	T	T	T
	1600 A					T	T	T	T	T	T
	2000 A						T	T	T	T	T
	2500 A							T	T	T	T
	3200 A								T	T	T
	4000 A									T	T
	5000 A										T
	6300 A										

T: total selectivity, up to downstream circuit breaker breaking capacity according to IEC 60947-2
Icu of downstream circuit breaker ≤ Icu of upstream circuit breaker
Selectivity values are intended with protection unit properly adjusted

DMX³/DX³

	DMX³ 2500							DMX³ 4000		DMX³ 6300	
	630 A	800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A	5000 A	6300 A
DX³ 6000 - 10 kA	T	T	T	T	T	T	T	T	T	T	T
DX³ 10000 - 16 kA	T	T	T	T	T	T	T	T	T	T	T
DX³ 25 kA	T	T	T	T	T	T	T	T	T	T	T
DX³ 36 kA	T	T	T	T	T	T	T	T	T	T	T
DX³ 50 kA	T	T	T	T	T	T	T	T	T	T	T

T: total selectivity, up to downstream circuit breaker breaking capacity according to IEC 60947-2

DMX³ tripping curves,
see technical sheet