
MCCB
Suzol

A-5. Characteristics curves

Susol MCCB up to 800AF

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Susol MCCB 1600AF

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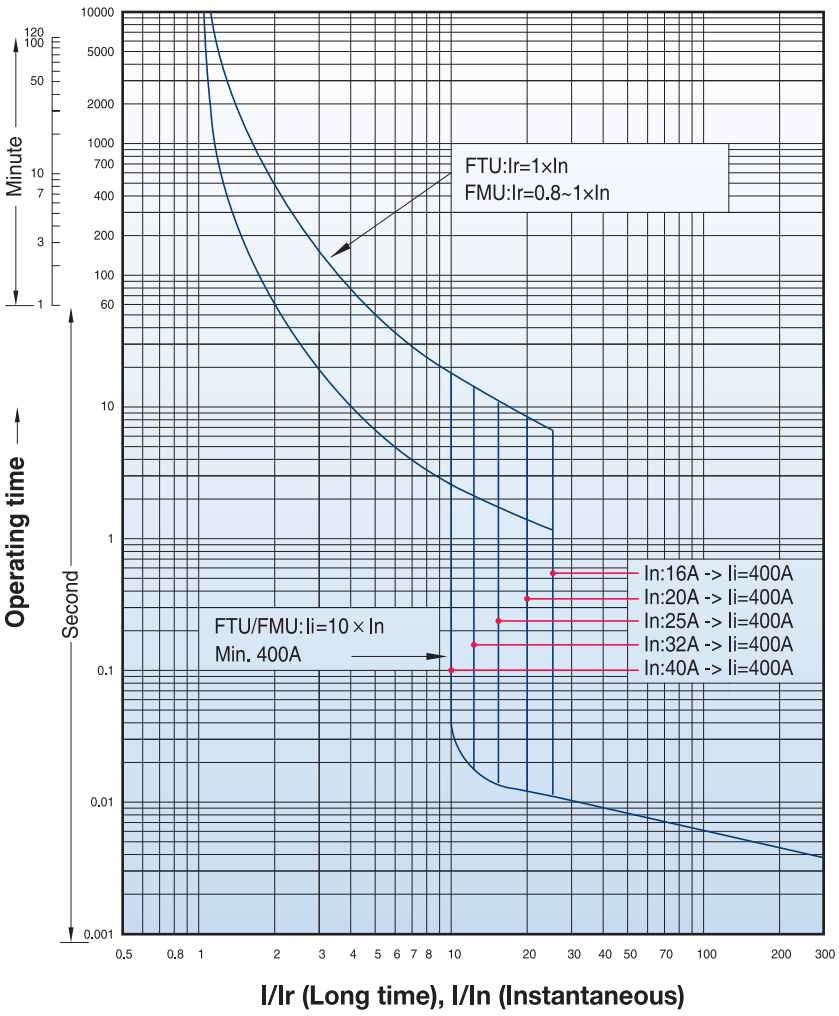
Circuit breakers with thermal-magnetic trip units

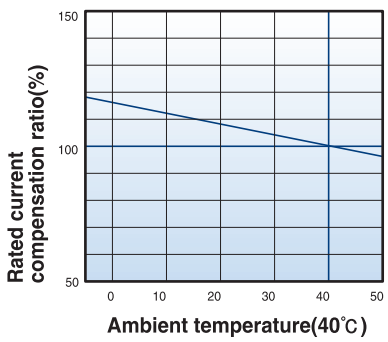
TE100

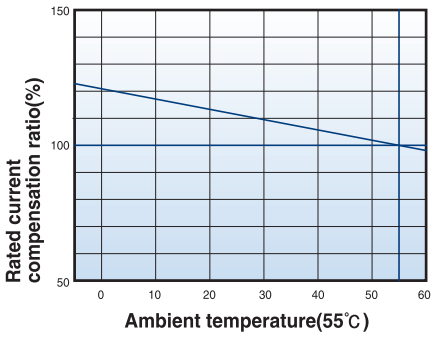
FTU

FMU

16~100A

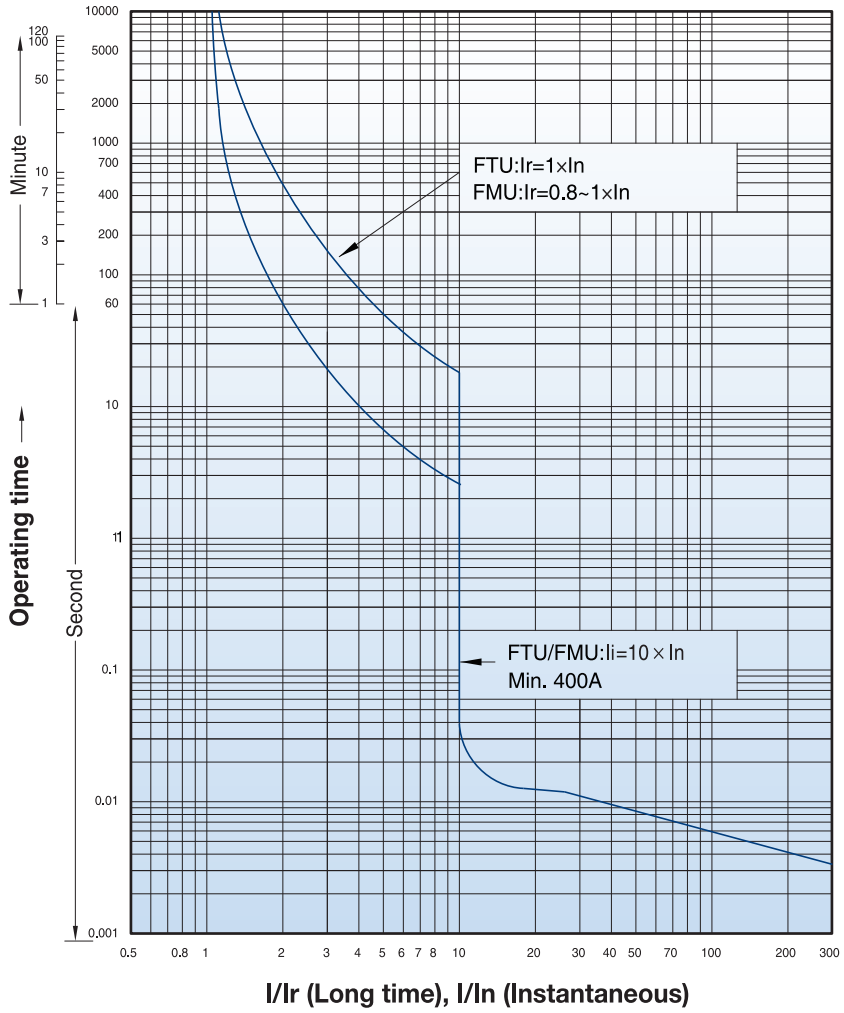


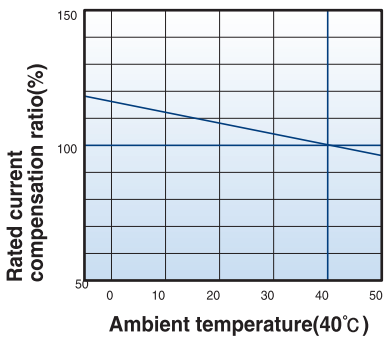


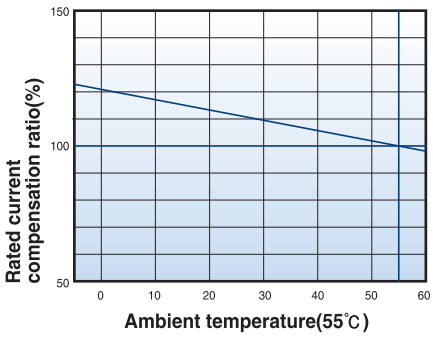


Circuit breakers with thermal-magnetic trip units

TE160
FTU
FMU
100~160A







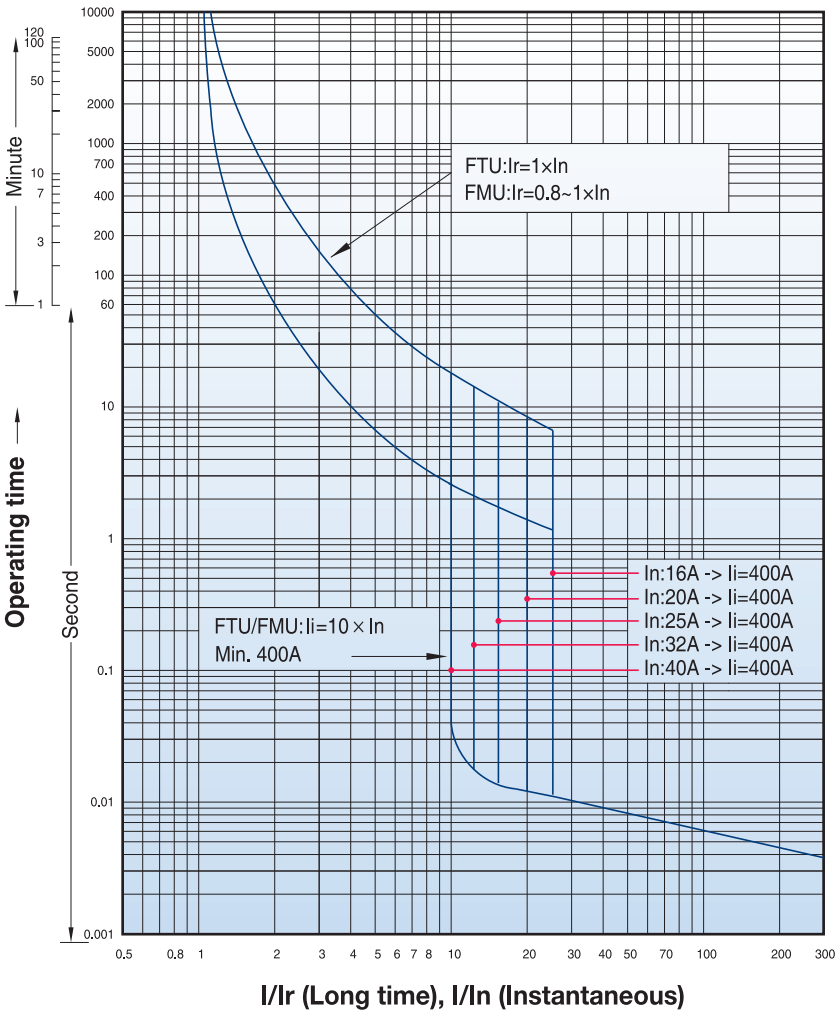
Circuit breakers with thermal-magnetic trip units

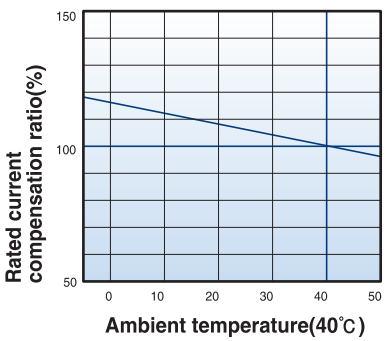
TD100

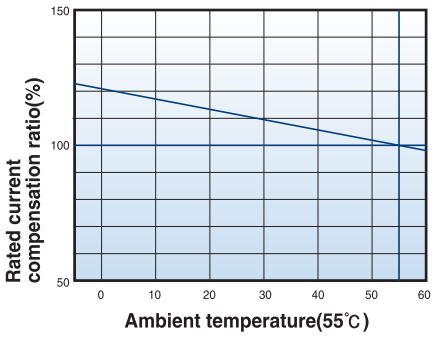
FTU

FMU

16~100A

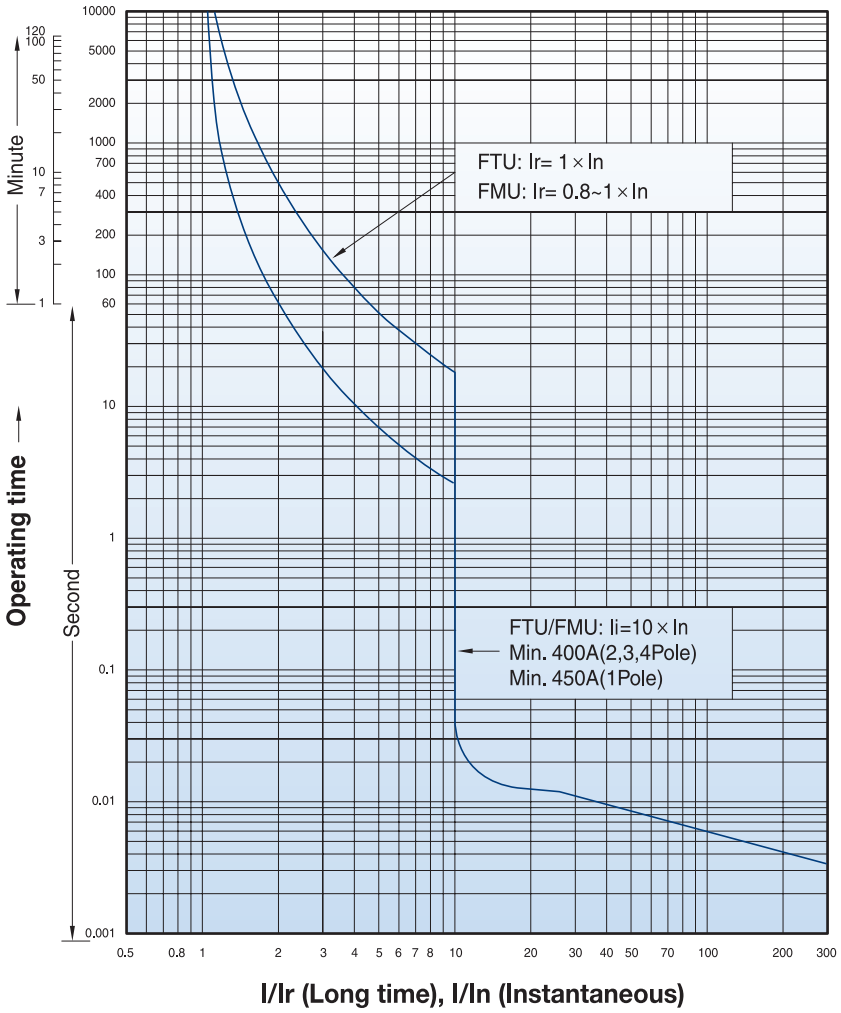


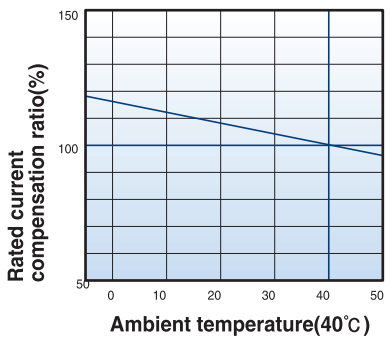


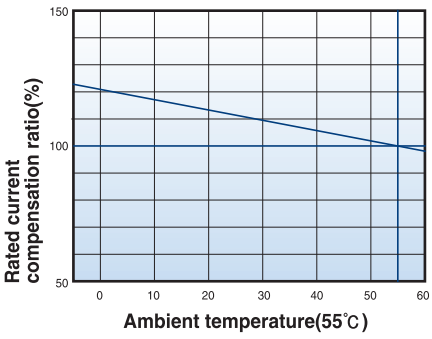


Circuit breakers with thermal-magnetic trip units

TD160
FTU
FMU
100~160A







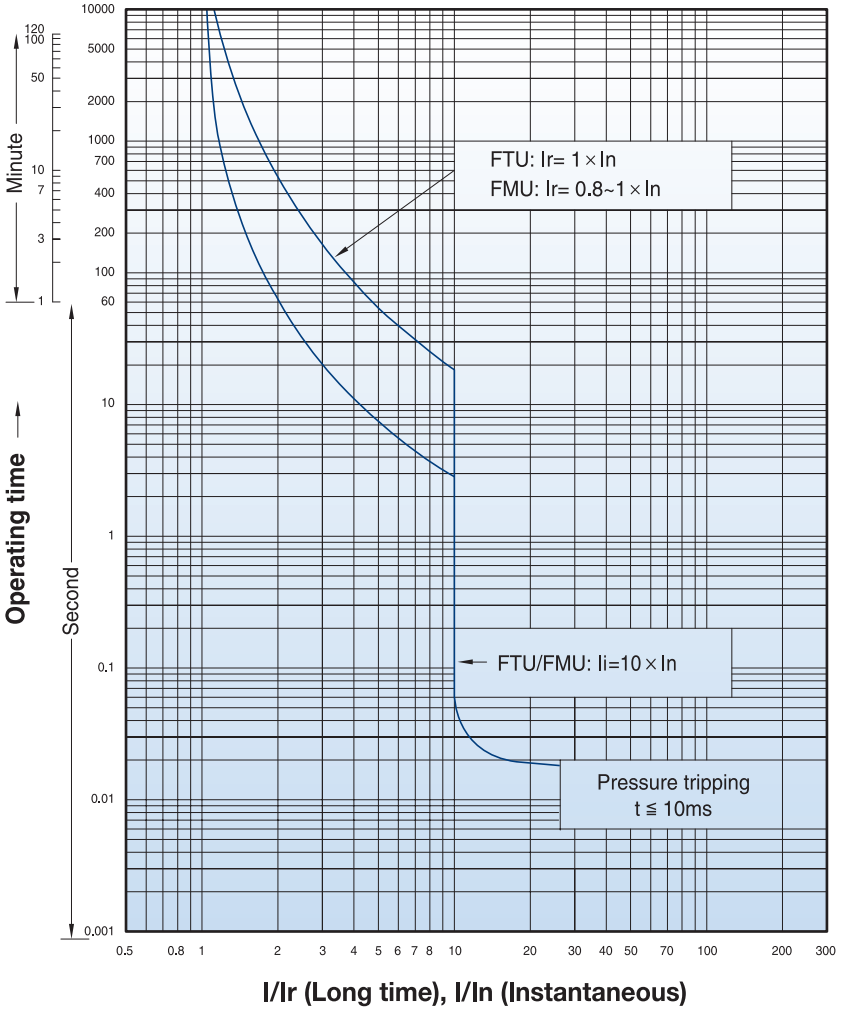
Circuit breakers with thermal-magnetic trip units

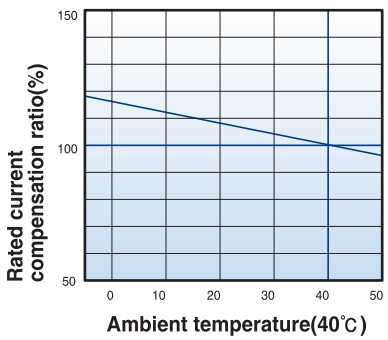
TS100

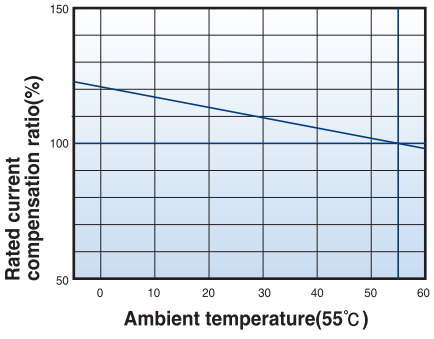
FTU

FMU

40~100A







Circuit breakers with magnetic only trip units

TS100

Magnetic only

MTU

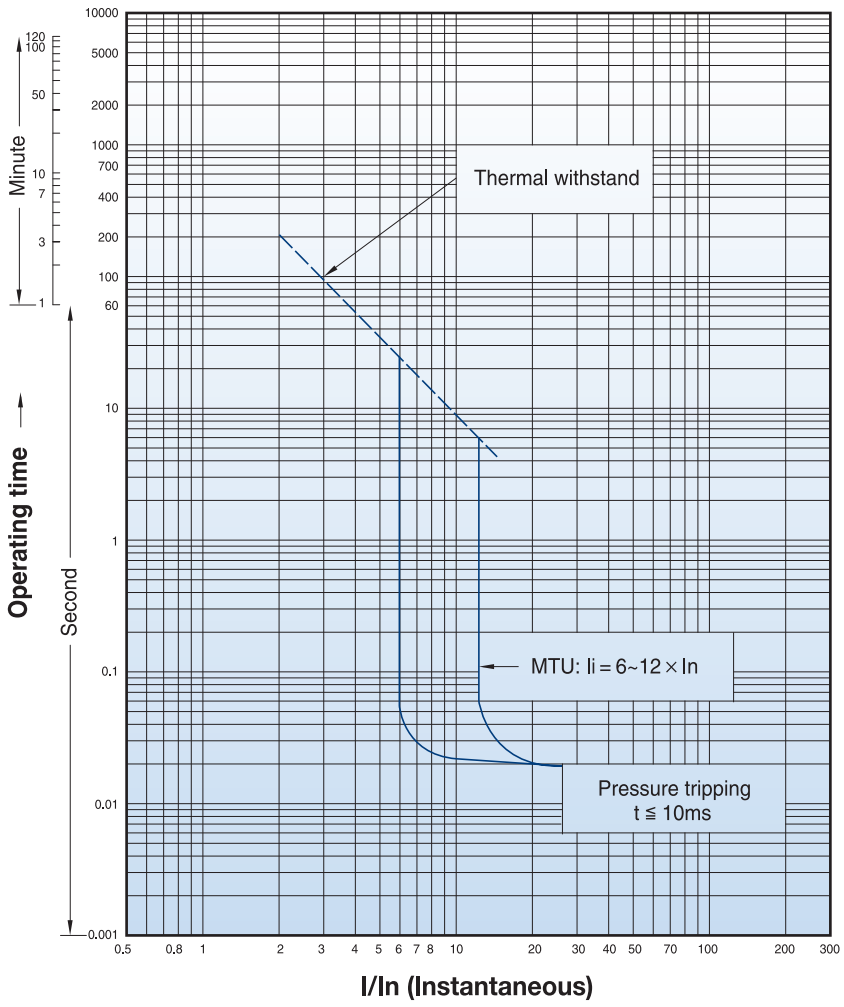
1.6~100A

TS160

Magnetic only

MTU

32~160A



Magnetic trip units(MTU)

Rating(A)		In	TS100 to TS800													
			1.6	3.2	6.3	12	20	32	50	63	100	160	220	320	500	630
	N / H / L	TS100	●	●	●	●	●	●	●	●	●	-	-	-	-	-
		TS160	-	-	-	-	-	●	●	●	●	●	-	-	-	-
		TS250	-	-	-	-	-	-	-	-	●	●	●	-	-	-
		TS400	-	-	-	-	-	-	-	-	-	-	-	●	-	-
		TS630	-	-	-	-	-	-	-	-	-	-	-	-	●	-
		TS800	-	-	-	-	-	-	-	-	-	-	-	-	-	●

Short - circuit protection(magnetic)

Pick - up	Ii	Setting
		6..12 × In (6 Point)

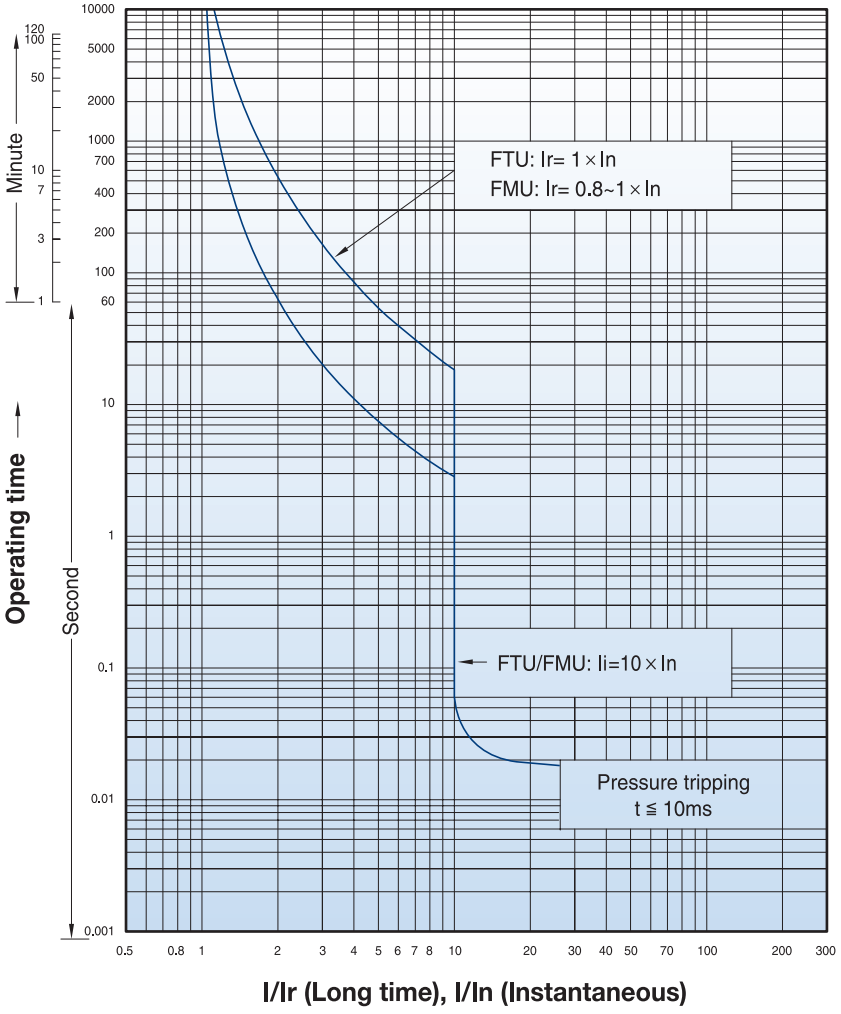
Circuit breakers with thermal-magnetic trip units

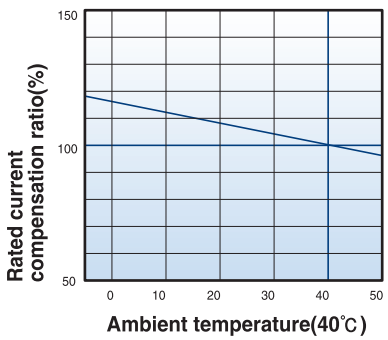
TS160

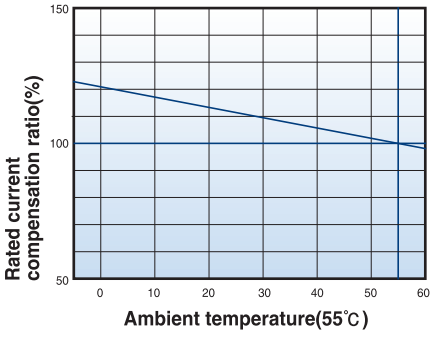
FTU

FMU

100, 125, 160A





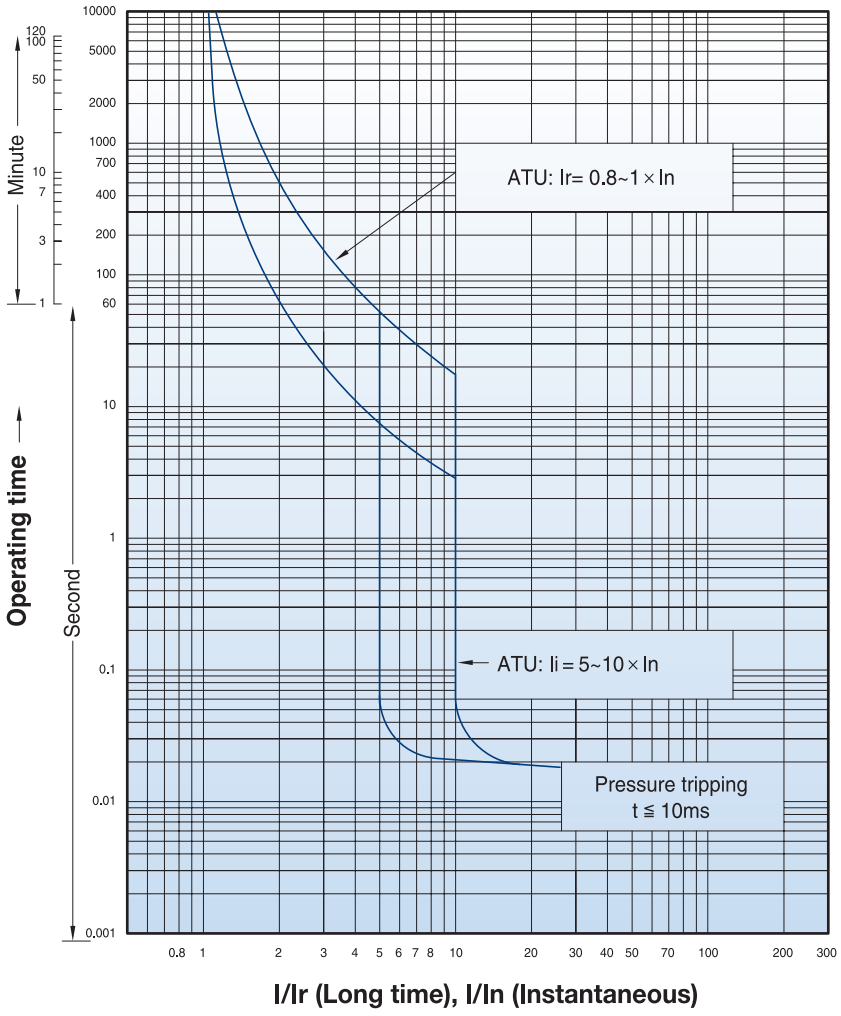


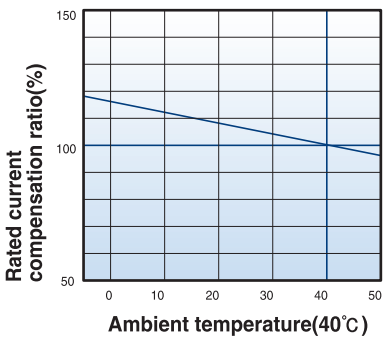
Circuit breakers with thermal-magnetic trip units

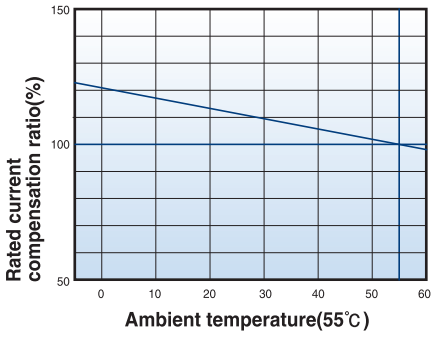
TS160

ATU

100, 125, 160A







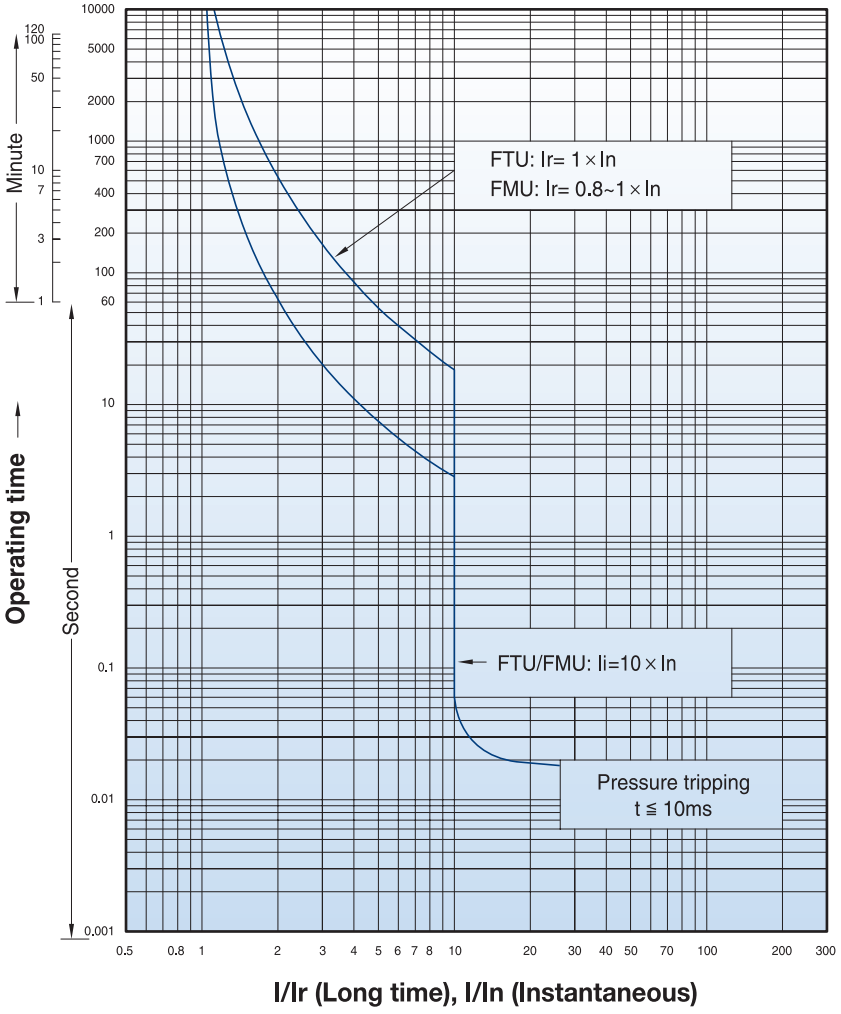
Circuit breakers with thermal-magnetic trip units

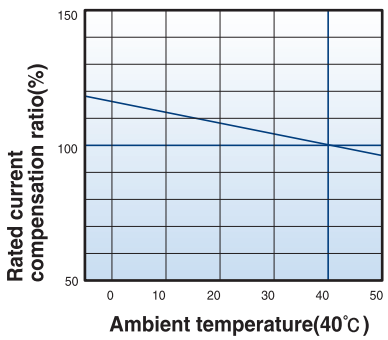
TS250

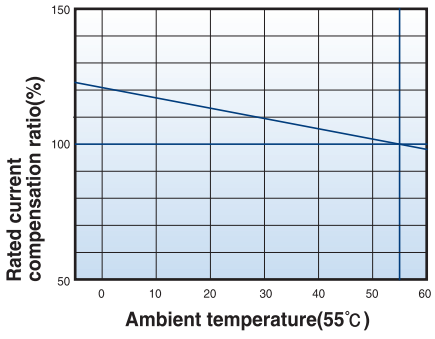
FTU

FMU

125~250A





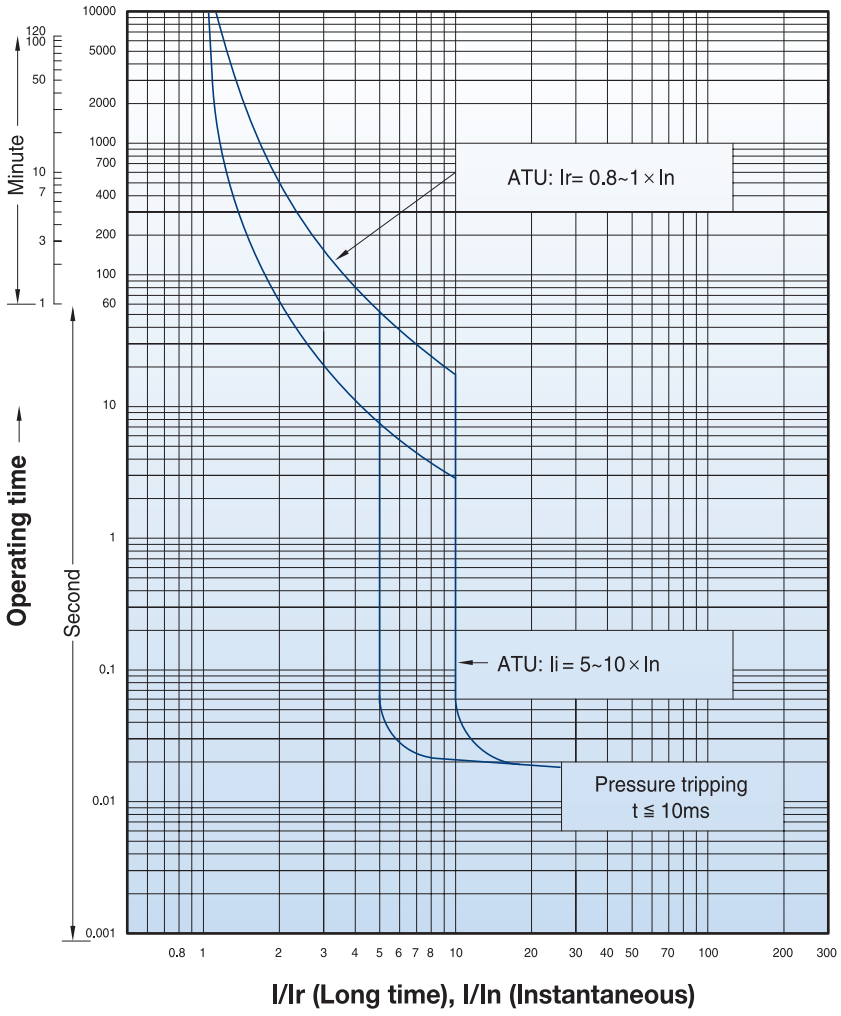


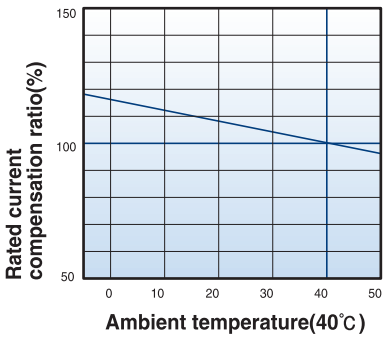
Circuit breakers with thermal-magnetic trip units

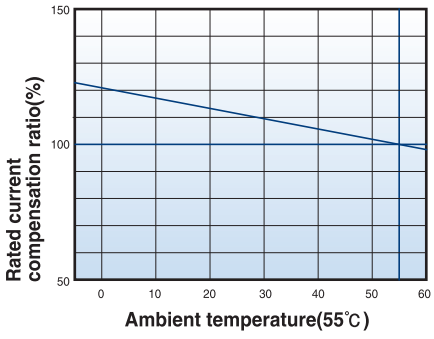
TS250

ATU

125~250A



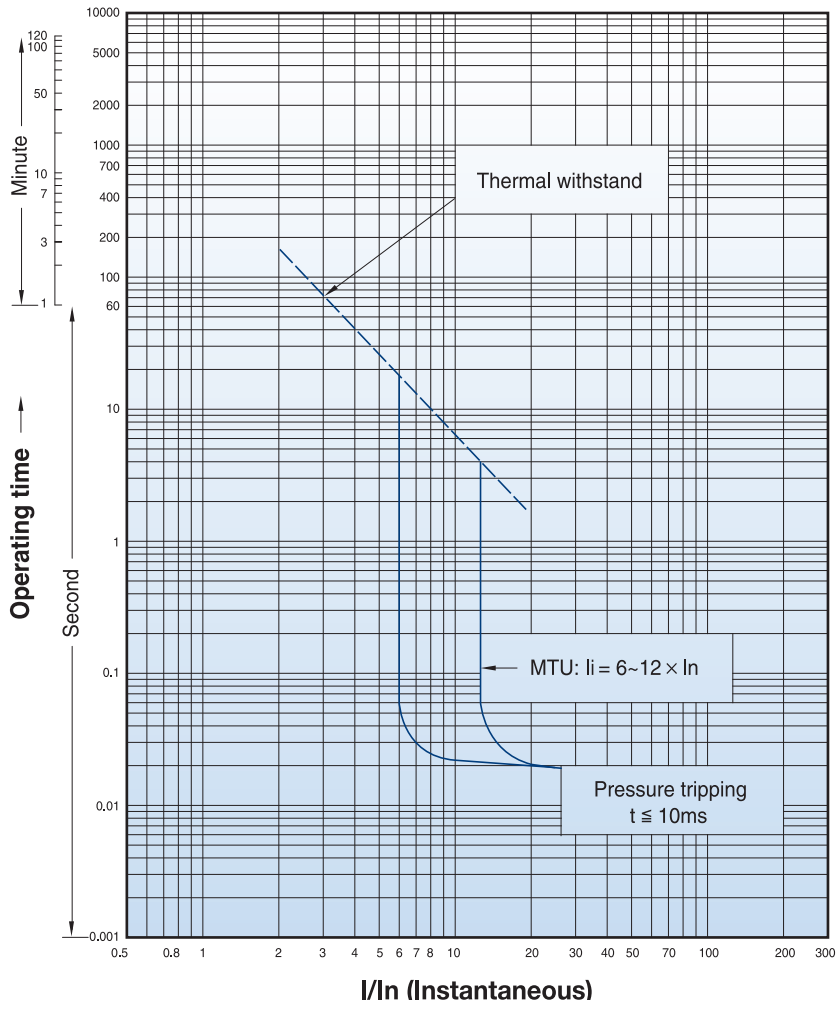




Circuit breakers with magnetic only trip units

TS250

Magnetic only
MTU
100, 160, 220A



Magnetic trip units(MTU)

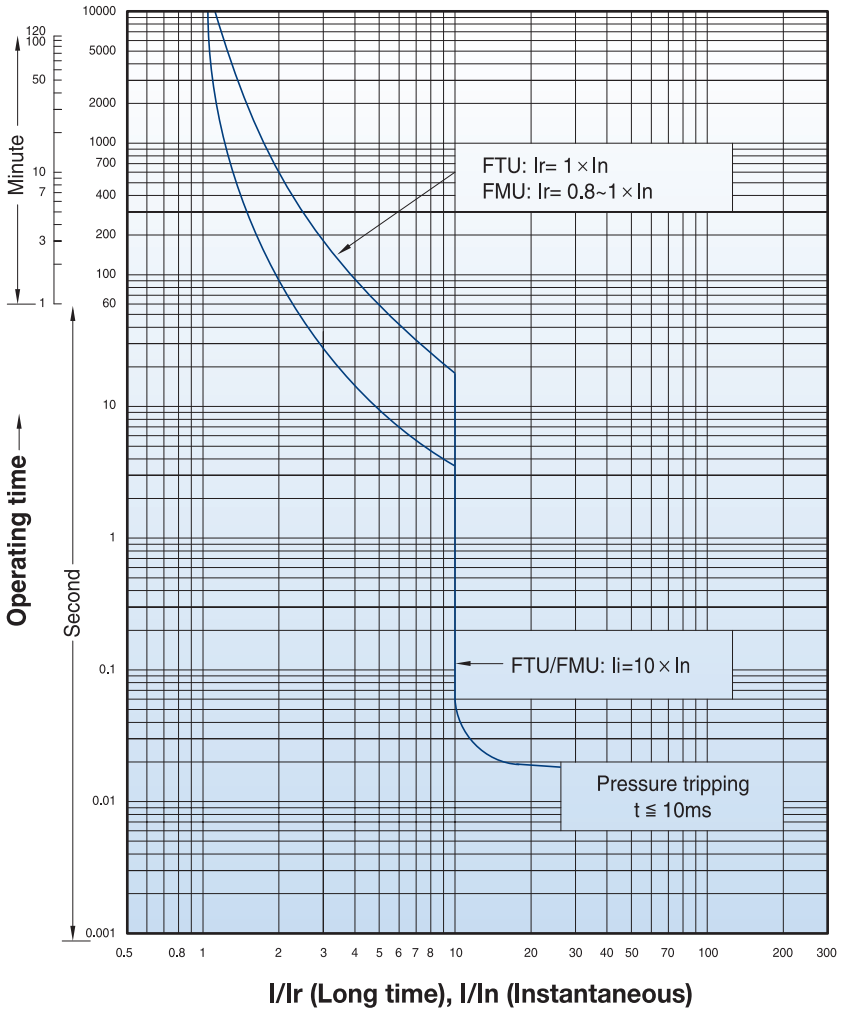
Rating(A)		In	TS100 to TS800													
			1.6	3.2	6.3	12	20	32	50	63	100	160	220	320	500	630
	N / H / L	TS100	●	●	●	●	●	●	●	●	●	-	-	-	-	-
		TS160	-	-	-	-	-	●	●	●	●	●	-	-	-	-
		TS250	-	-	-	-	-	-	-	-	●	●	●	-	-	-
		TS400	-	-	-	-	-	-	-	-	-	-	-	●	-	-
		TS630	-	-	-	-	-	-	-	-	-	-	-	-	●	-
		TS800	-	-	-	-	-	-	-	-	-	-	-	-	-	●

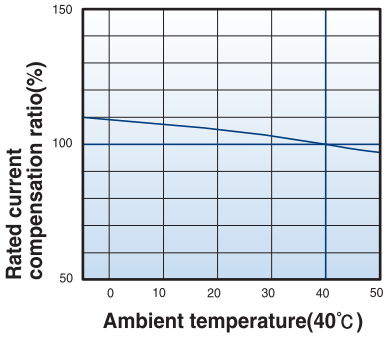
Short - circuit protection(magnetic)

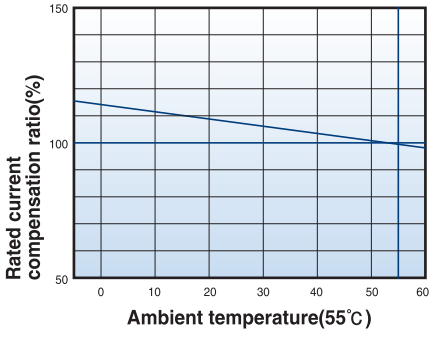
Pick - up	Ii	Setting
		6..12 × In (6 Point)

Circuit breakers with thermal-magnetic trip units

TS400
FTU
FMU
300, 400A





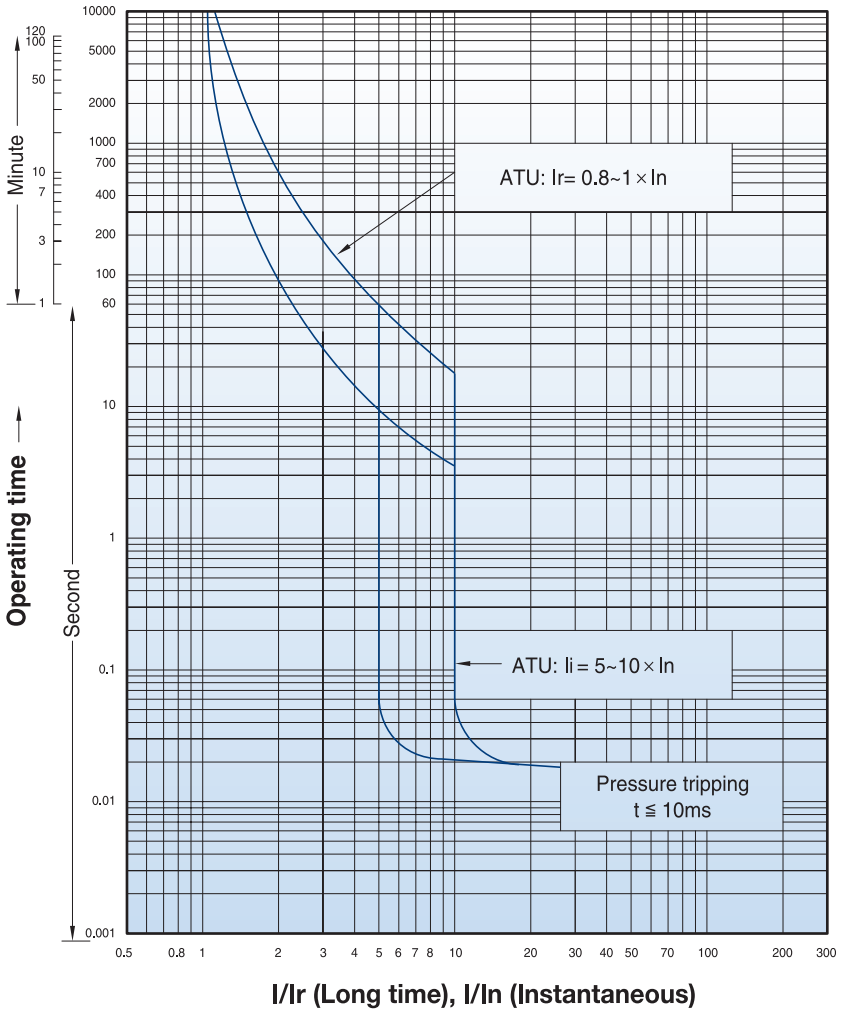


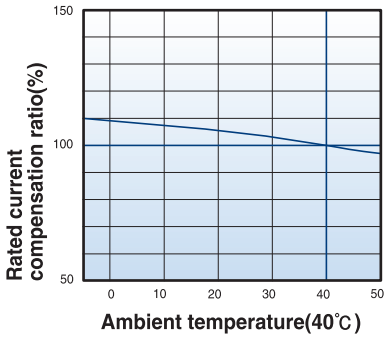
Circuit breakers with thermal-magnetic trip units

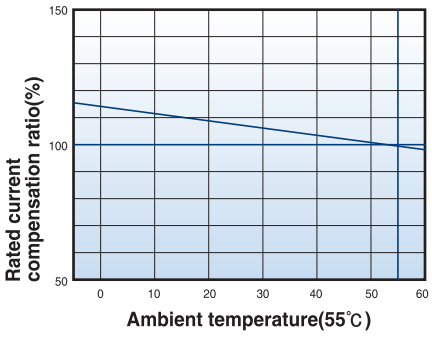
TS400

ATU

300, 400A





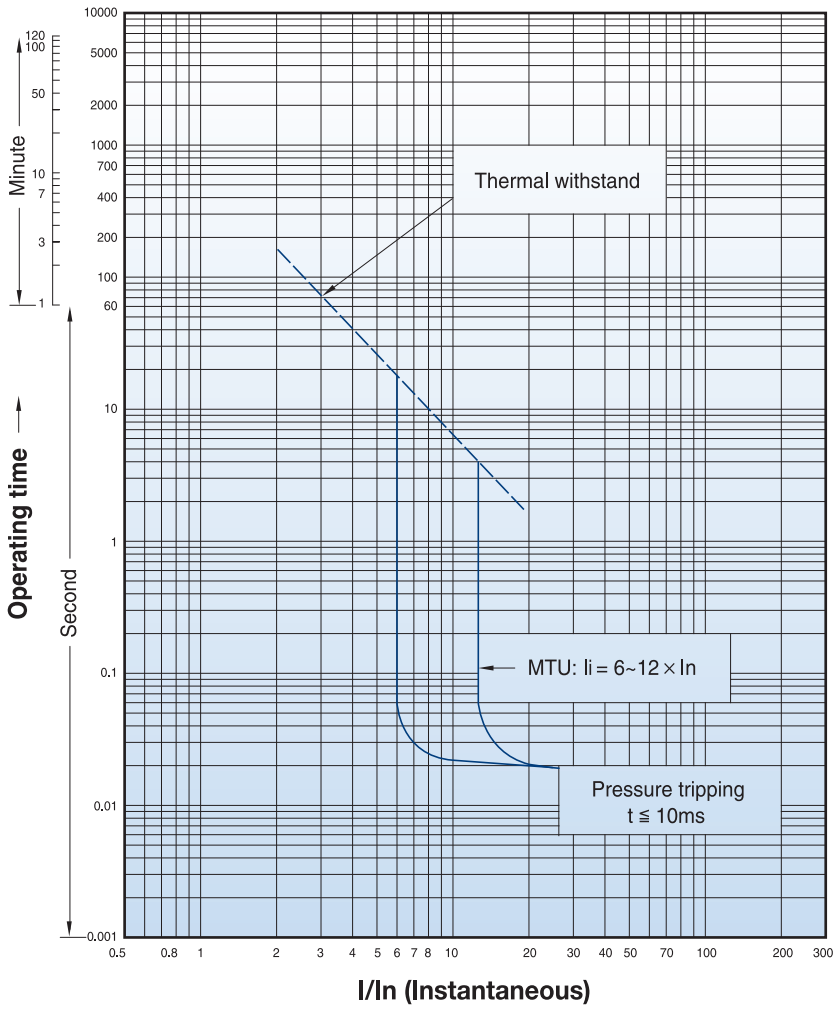


Circuit breakers with magnetic only trip units

TS400

MTU

320A



Magnetic trip units(MTU)

Rating(A)		In	TS100 to TS800													
			1.6	3.2	6.3	12	20	32	50	63	100	160	220	320	500	630
	N / H / L	TS100	●	●	●	●	●	●	●	●	●	-	-	-	-	-
		TS160	-	-	-	-	-	●	●	●	●	●	-	-	-	-
		TS250	-	-	-	-	-	-	-	-	●	●	●	-	-	-
		TS400	-	-	-	-	-	-	-	-	-	-	-	●	-	-
		TS630	-	-	-	-	-	-	-	-	-	-	-	-	●	-
		TS800	-	-	-	-	-	-	-	-	-	-	-	-	-	●

Short - circuit protection(magnetic)

Pick - up	Ii	Setting
		6..12 × In (6 Point)

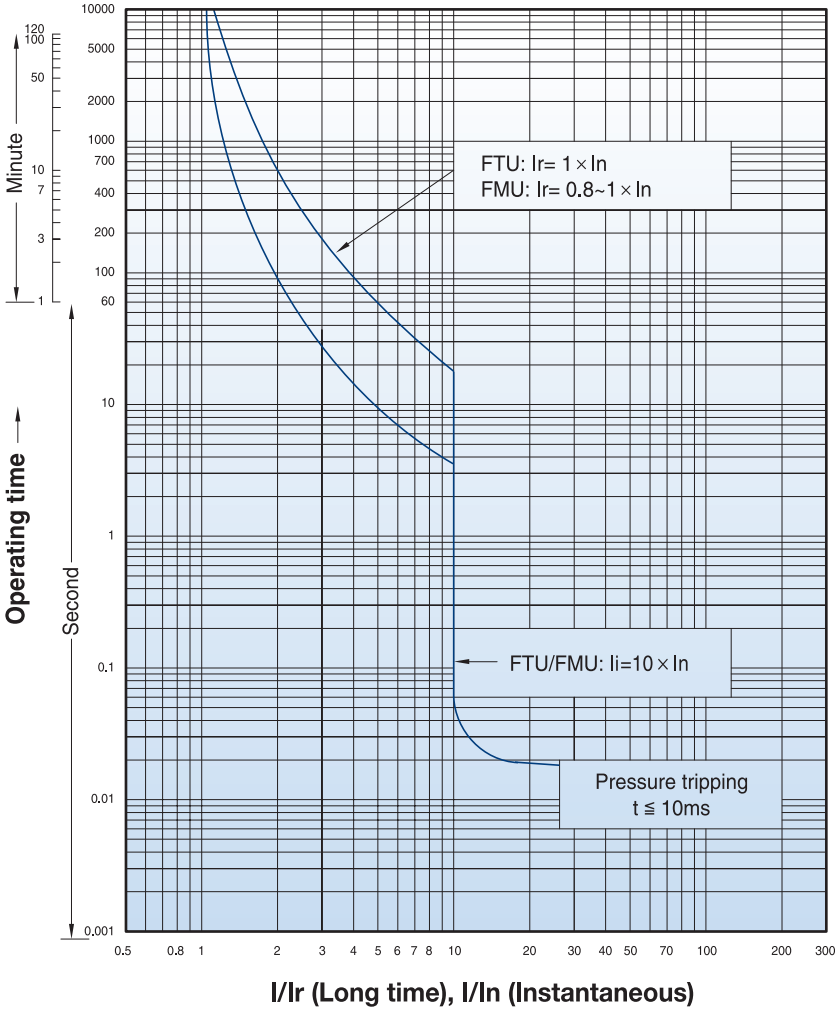
Circuit breakers with thermal-magnetic trip units

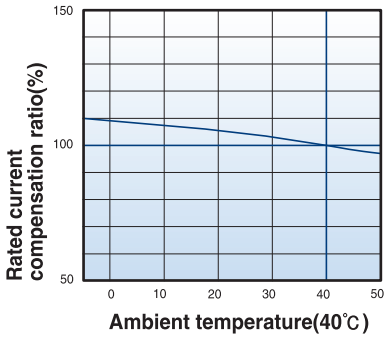
TS630

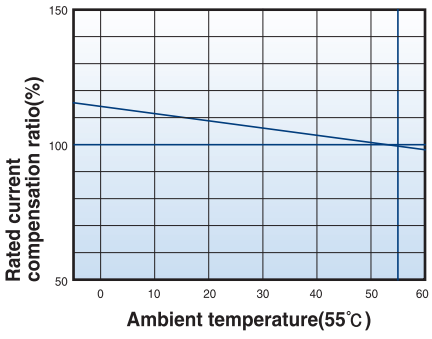
FTU

FMU

500, 630A





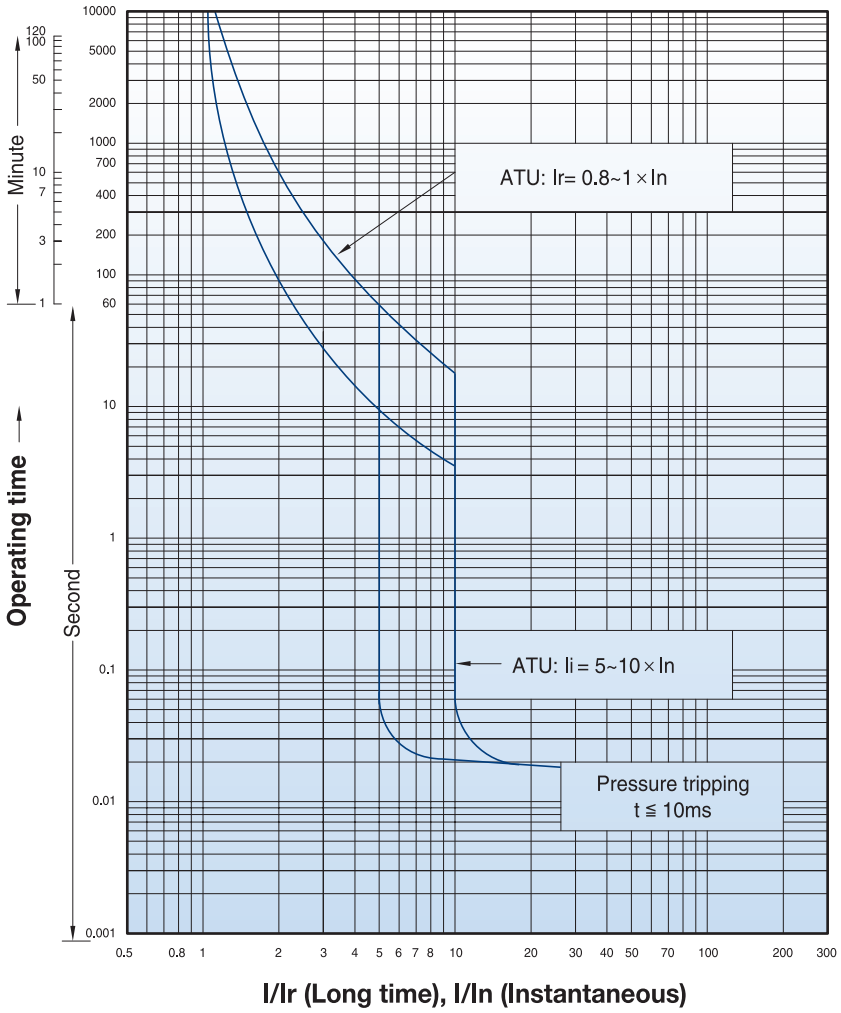


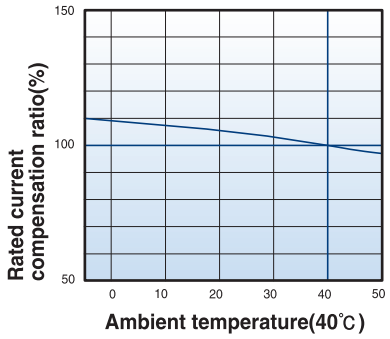
Circuit breakers with thermal-magnetic trip units

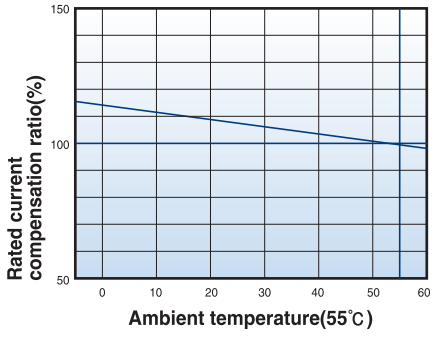
TS630

ATU

500, 630A

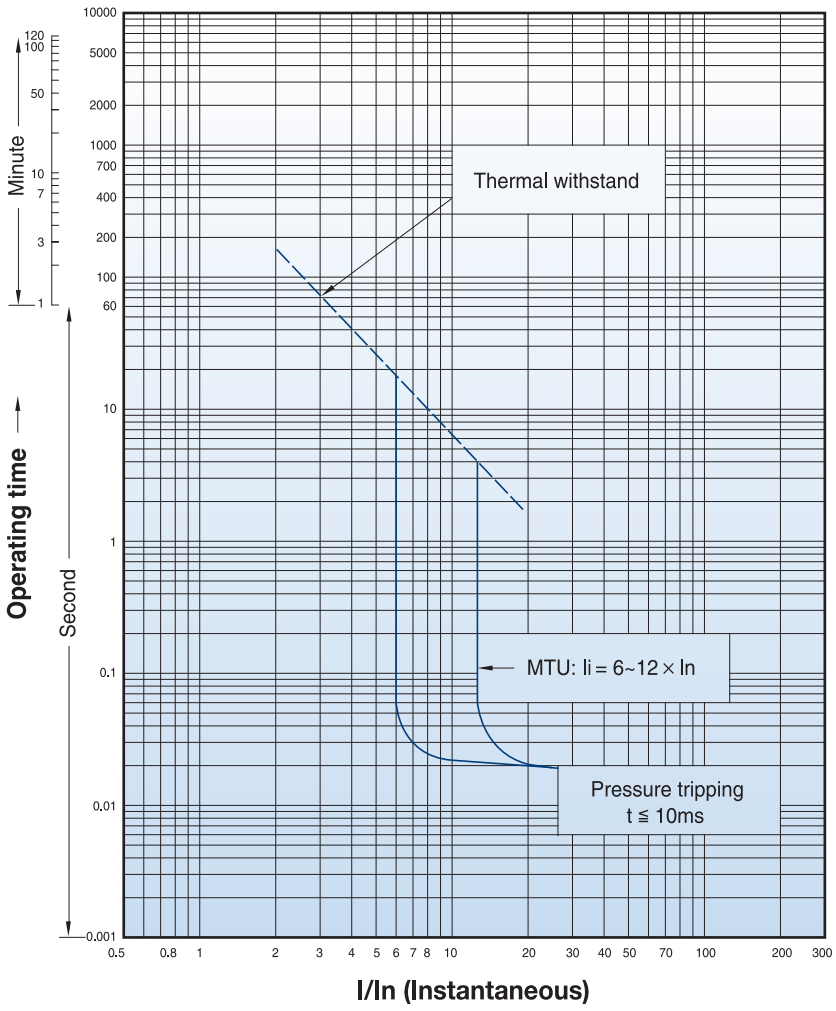






Circuit breakers with magnetic only trip units

TS630
MTU
500A



Magnetic trip units(MTU)

Rating(A)		In	TS100 to TS800													
			1.6	3.2	6.3	12	20	32	50	63	100	160	220	320	500	630
	N / H / L	TS100	●	●	●	●	●	●	●	●	●	-	-	-	-	-
		TS160	-	-	-	-	-	●	●	●	●	●	-	-	-	-
		TS250	-	-	-	-	-	-	-	-	●	●	●	-	-	-
		TS400	-	-	-	-	-	-	-	-	-	-	-	●	-	-
		TS630	-	-	-	-	-	-	-	-	-	-	-	-	●	-
		TS800	-	-	-	-	-	-	-	-	-	-	-	-	-	●

Short - circuit protection(magnetic)

Pick - up	Ii	Setting
		6..12×In (6 Point)

Circuit breakers with thermal-magnetic trip units

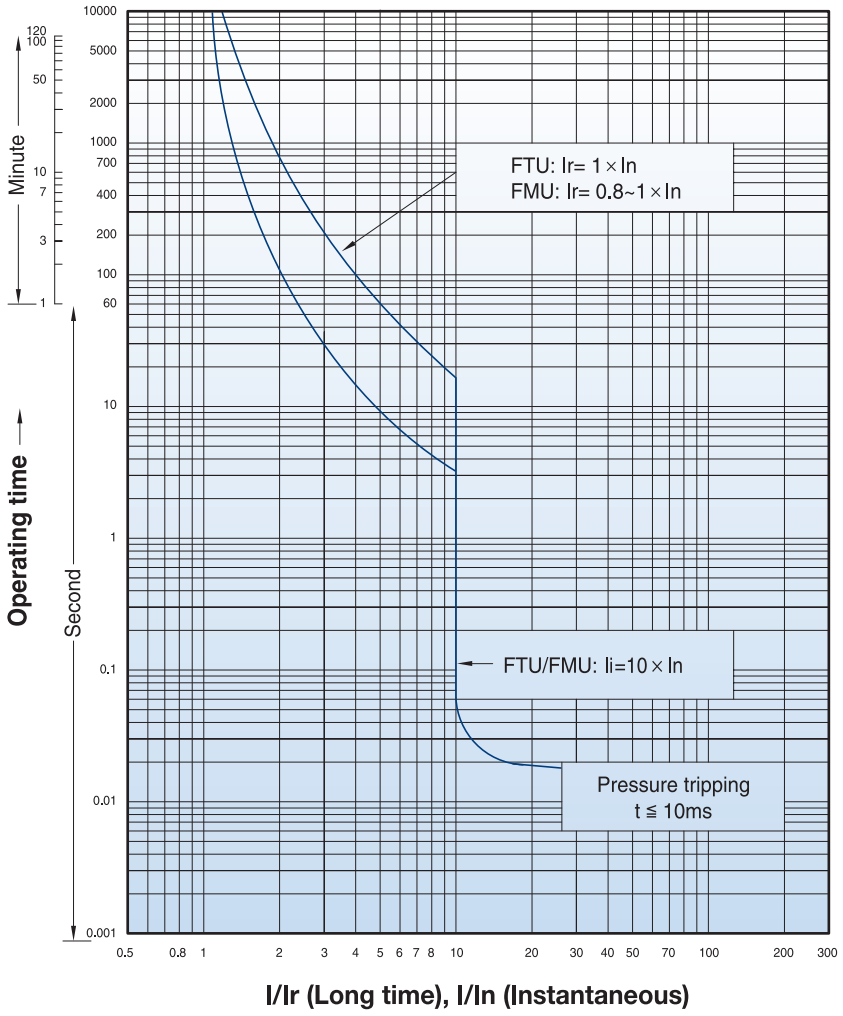
TS800

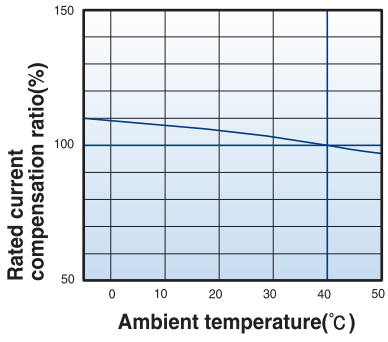
FTU

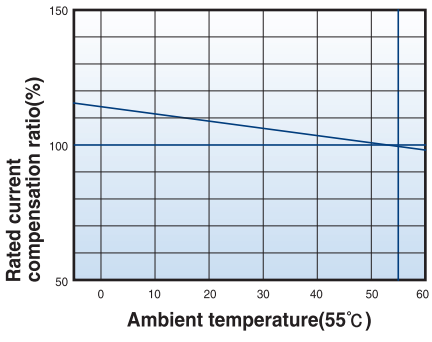
700, 800A

FMU

800A

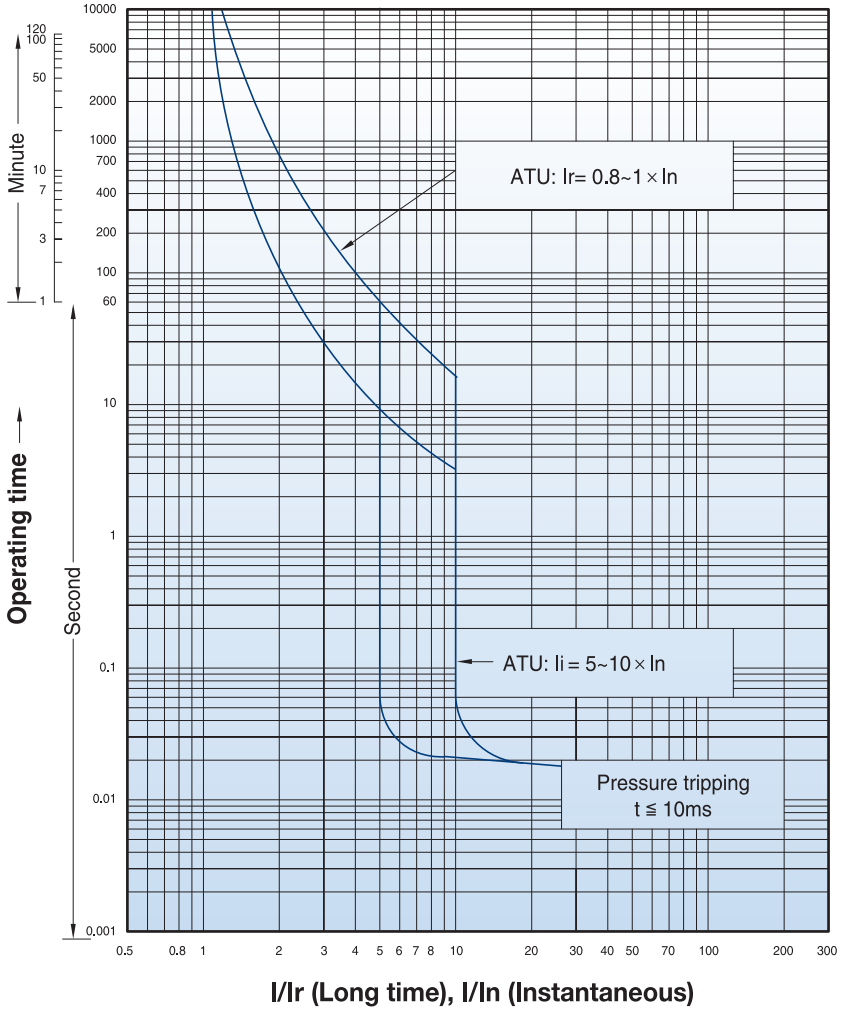


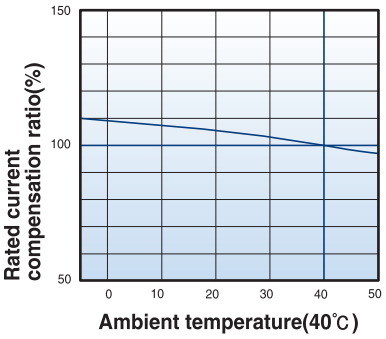


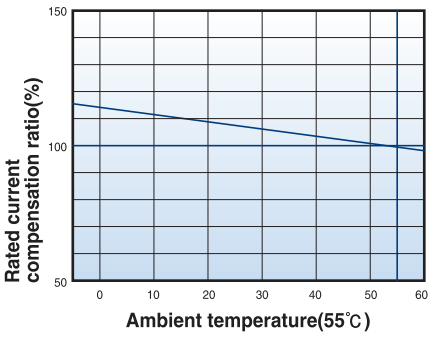


Circuit breakers with thermal-magnetic trip units

TS800
ATU
800A

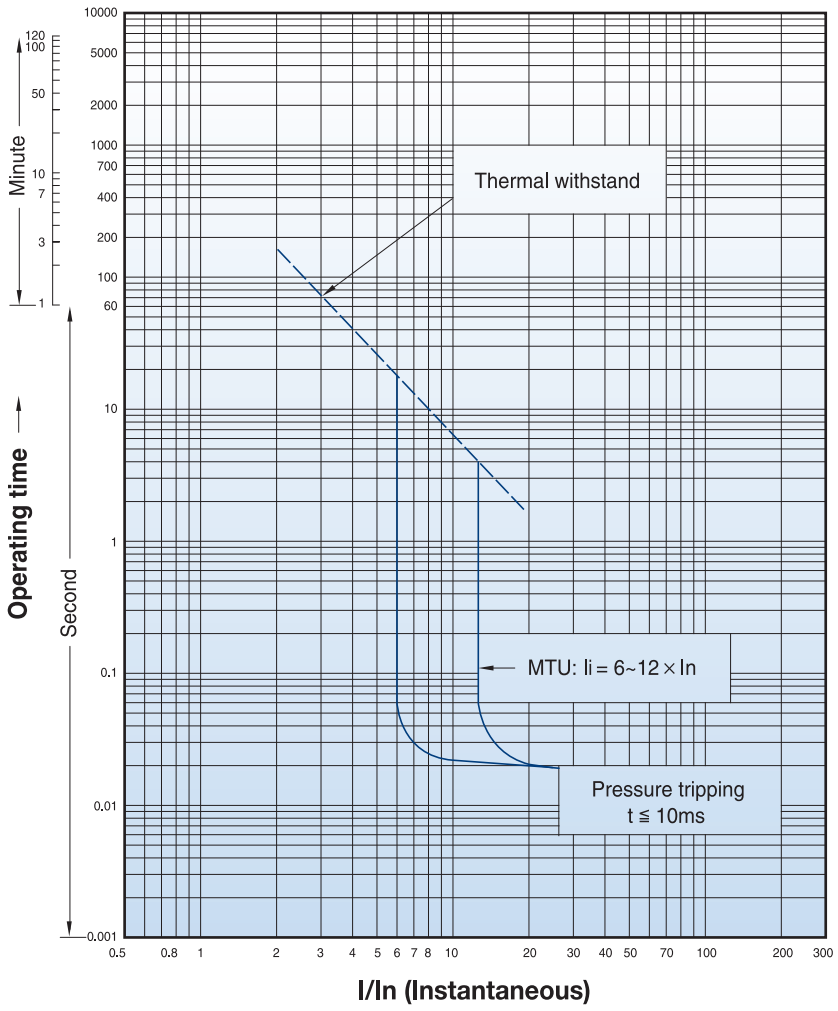






Circuit breakers with magnetic only trip units

TS800
MTU
630A



Magnetic trip units(MTU)

Rating(A)		In	TS100 to TS800													
			1.6	3.2	6.3	12	20	32	50	63	100	160	220	320	500	630
	N / H / L	TS100	●	●	●	●	●	●	●	●	●	-	-	-	-	-
		TS160	-	-	-	-	-	●	●	●	●	●	-	-	-	-
		TS250	-	-	-	-	-	-	-	-	●	●	●	-	-	-
		TS400	-	-	-	-	-	-	-	-	-	-	-	●	-	-
		TS630	-	-	-	-	-	-	-	-	-	-	-	-	●	-
		TS800	-	-	-	-	-	-	-	-	-	-	-	-	-	●

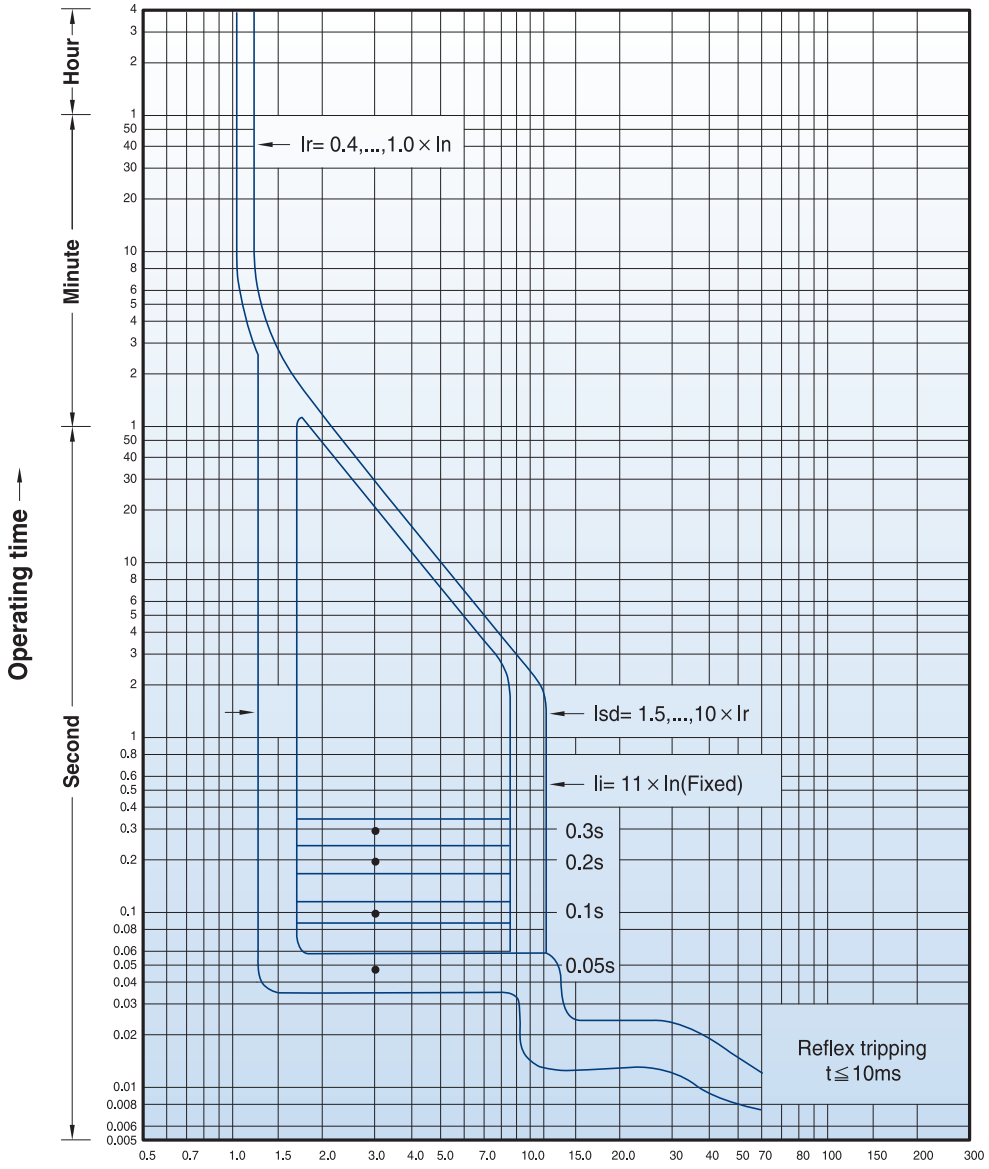
Short - circuit protection(magnetic)

Pick - up	Ii	Setting
		6..12 × In (6 Point)

Circuit breakers with electronic trip unit (ETS)

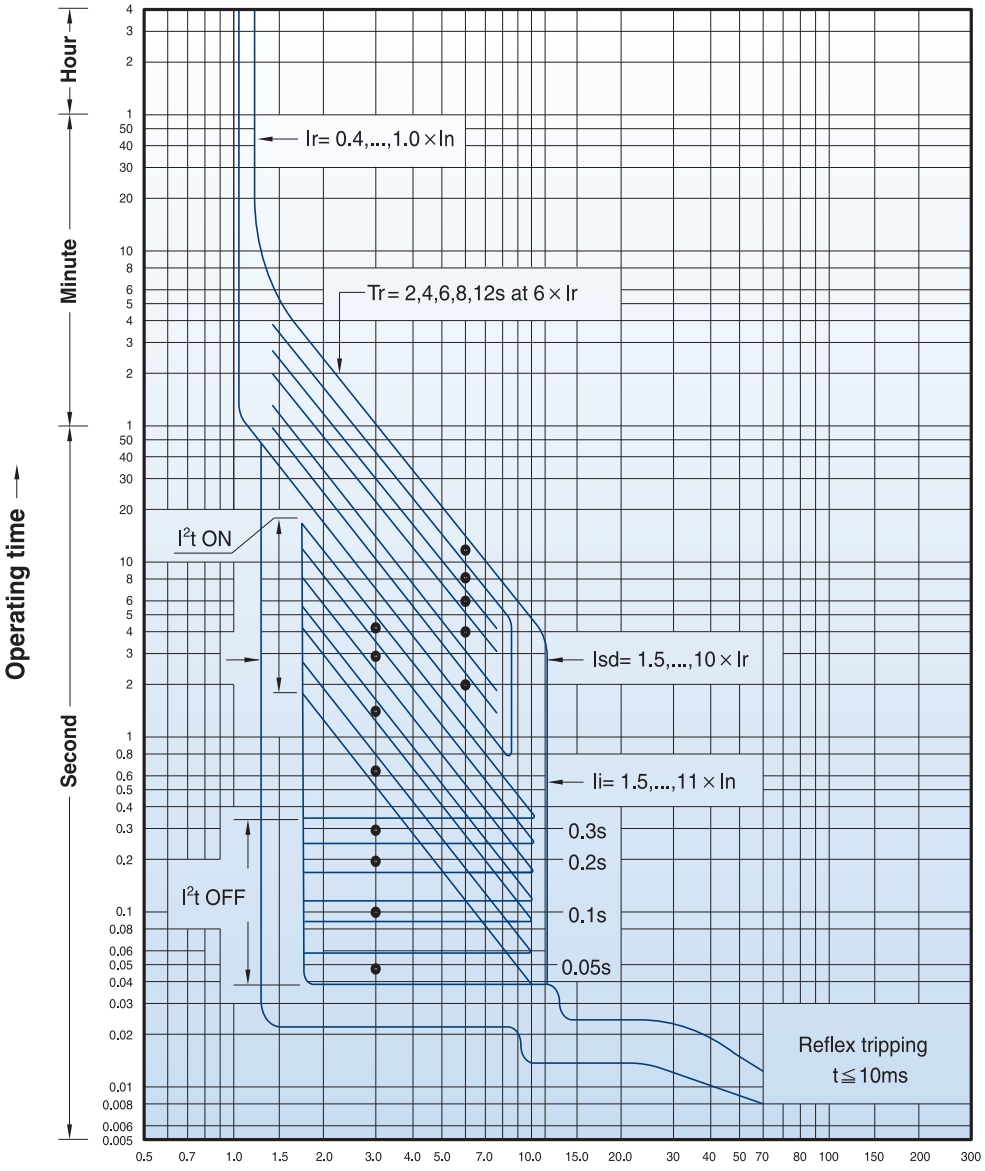
TS100 to TS800

ETS23
ETS33
ETS43



Circuit breakers with electronic trip unit (ETM)

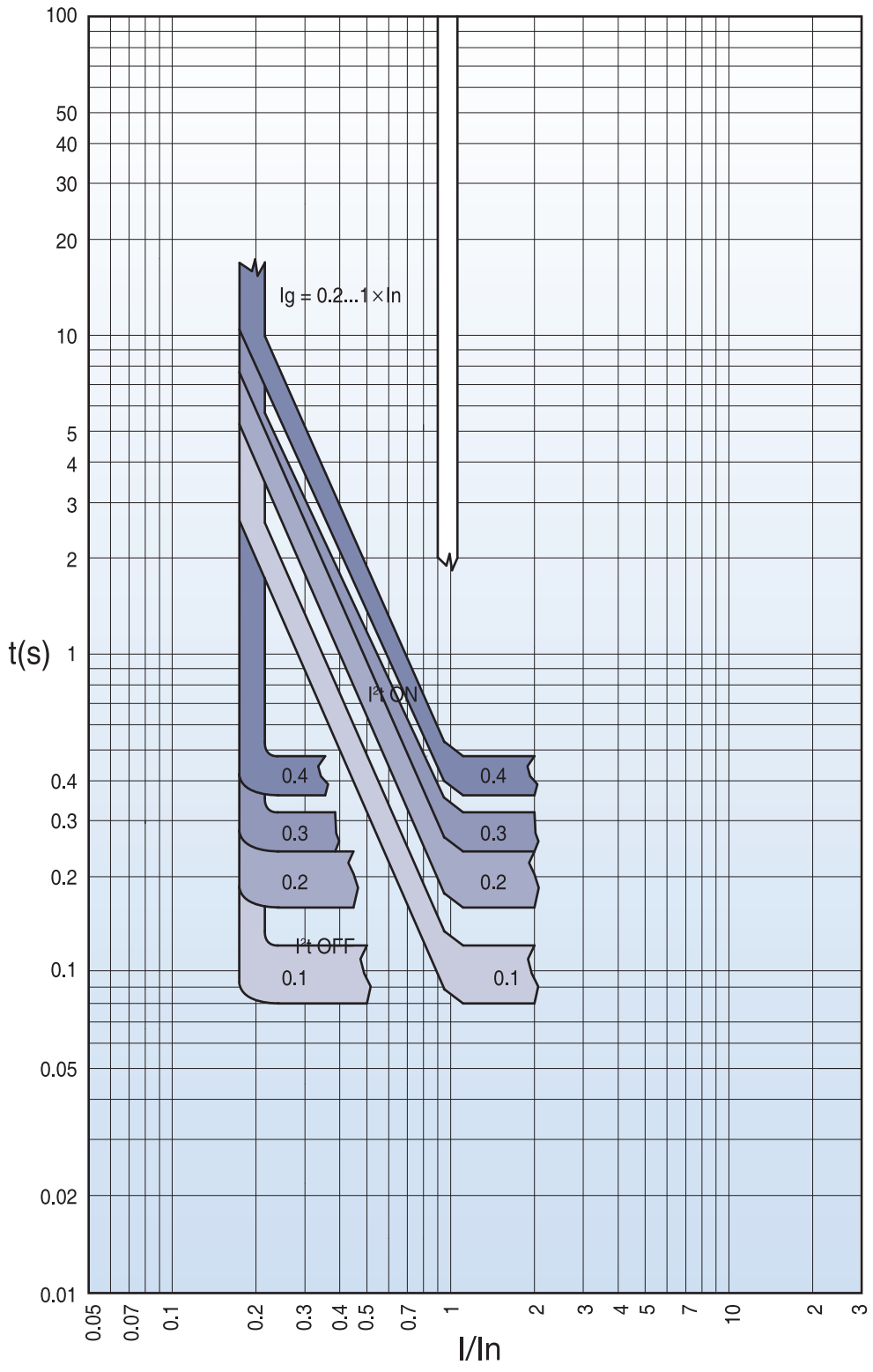
TS400
TS630
TS800
ETM33
ETM43



I/Ir (Long time, Short time), I/In (Instantaneous)

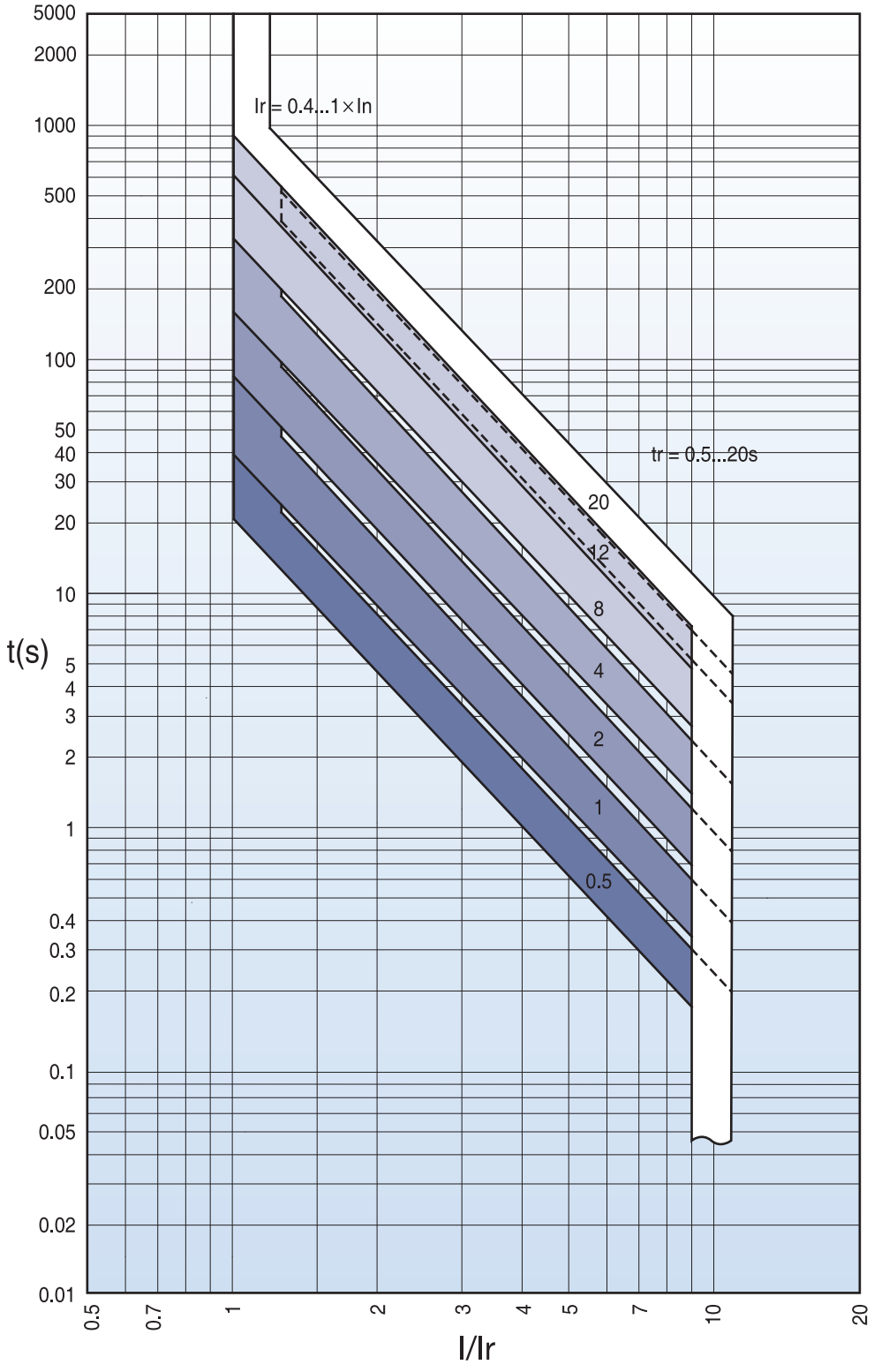
ETM Ground fault (G)

TS400
TS630
TS800
ETM33
ETM43



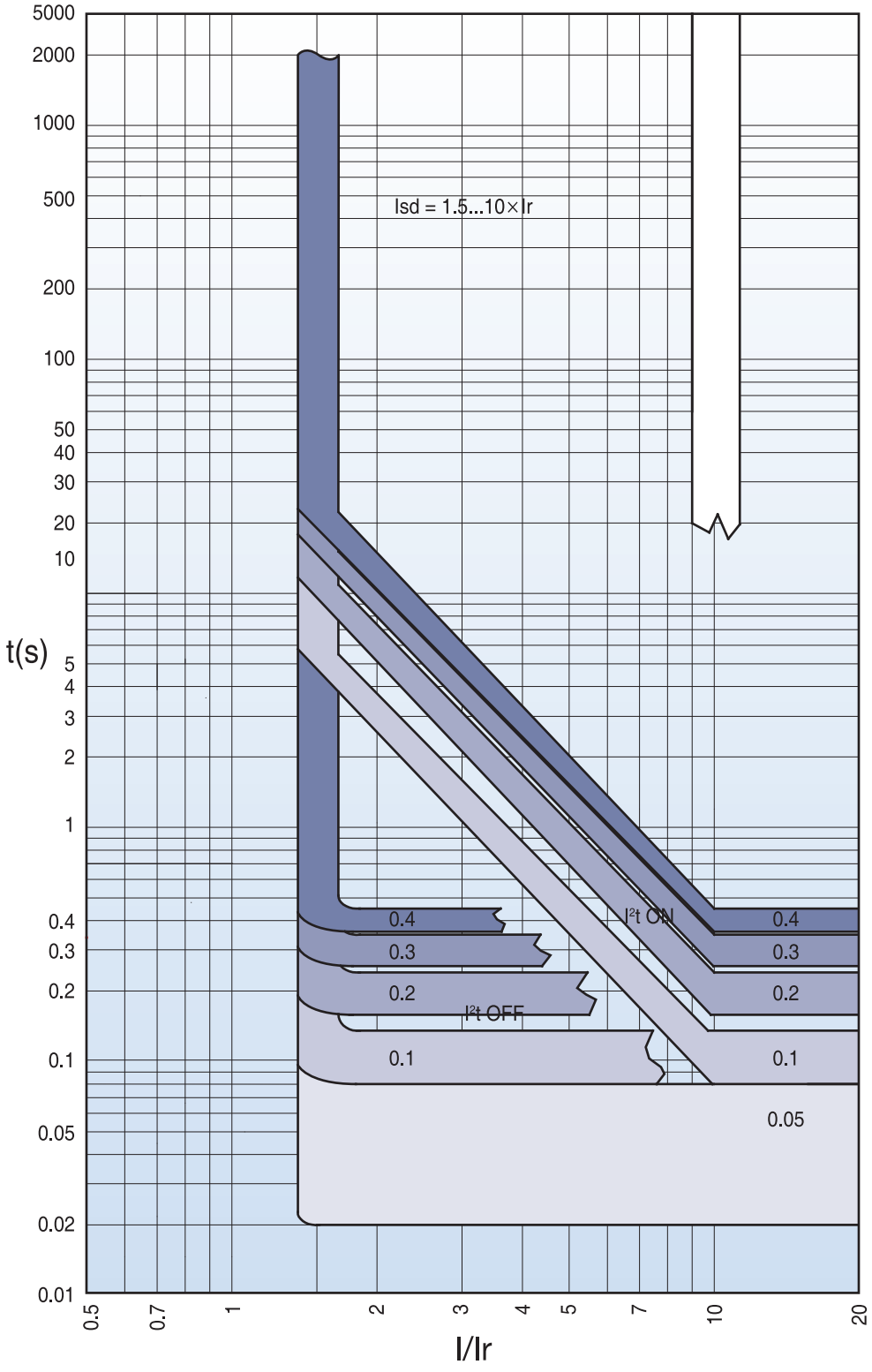
Long-time delay (L)

TS1600



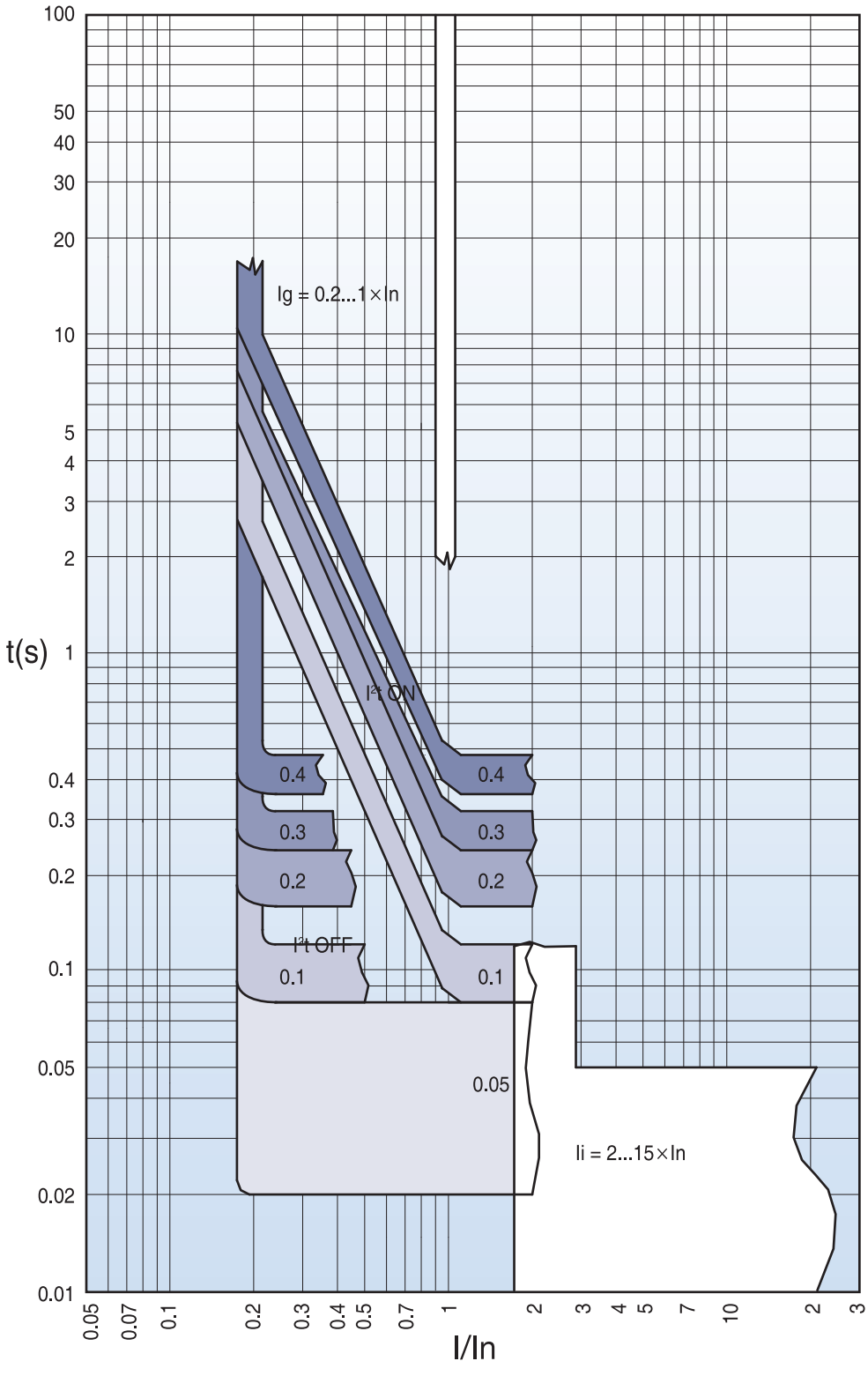
Short-time delay (S)

TS1600



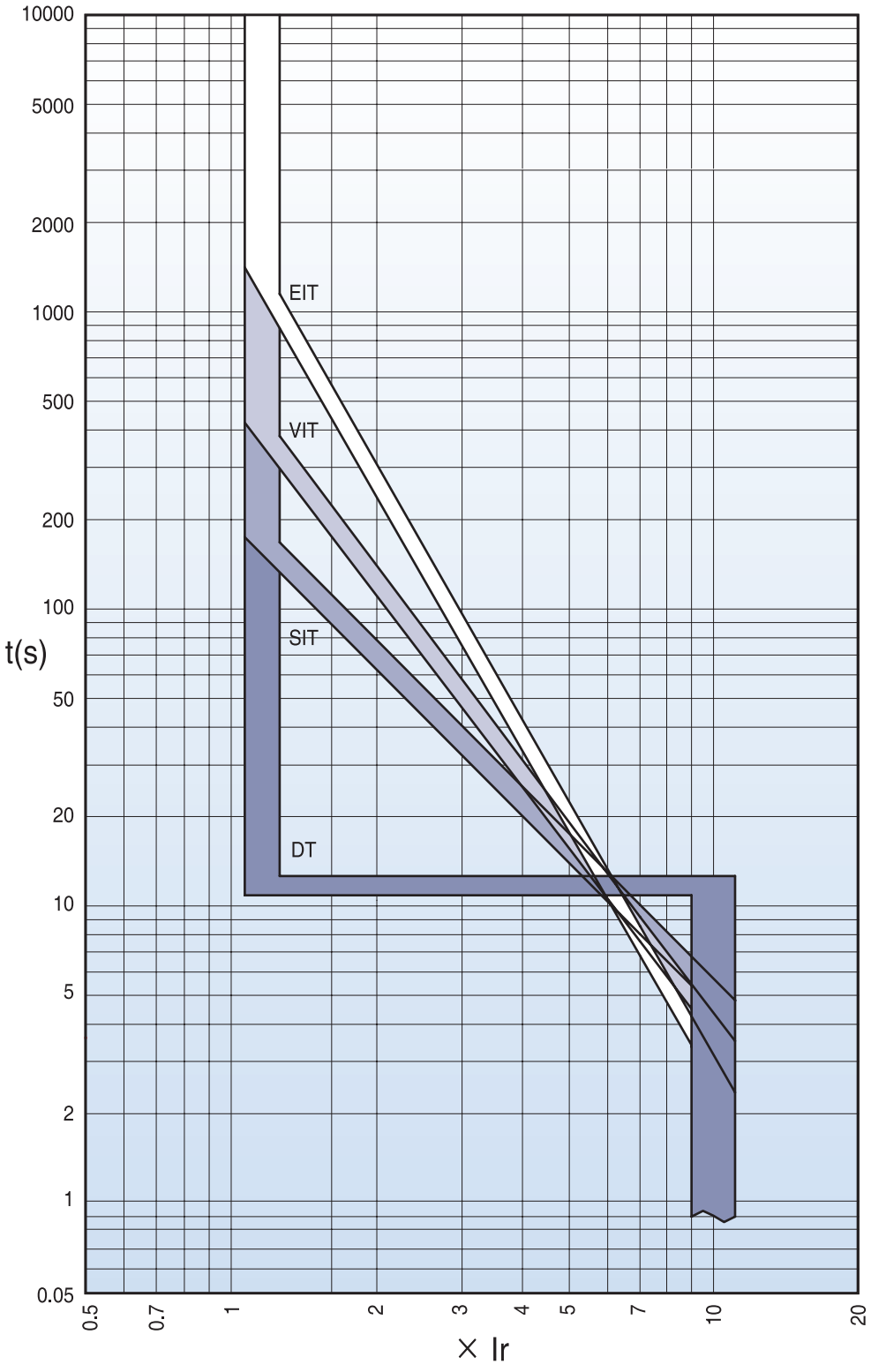
Instantaneous (I)
Ground fault (G)

TS1600



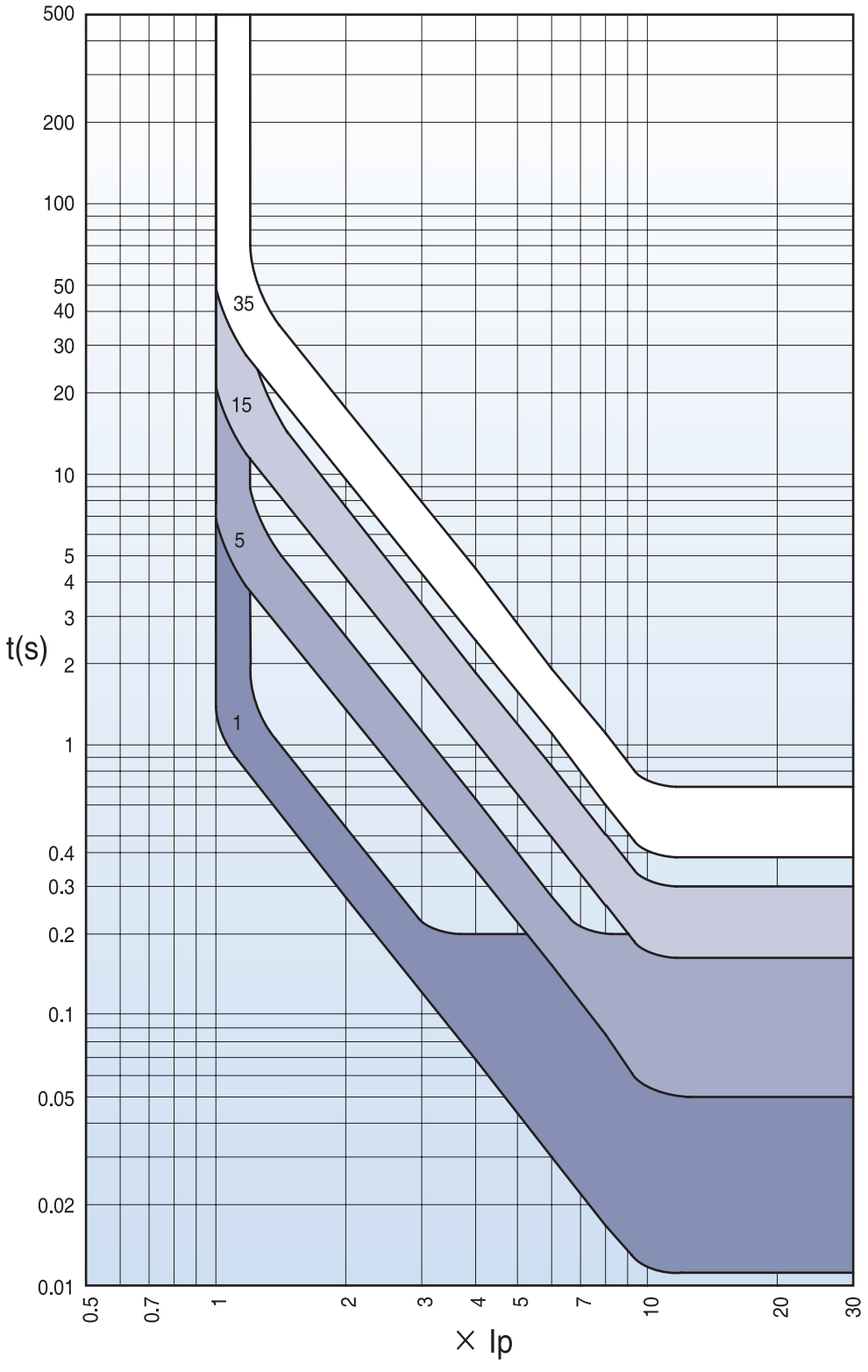
IDMTL

TS1600



Pre Trip Alarm

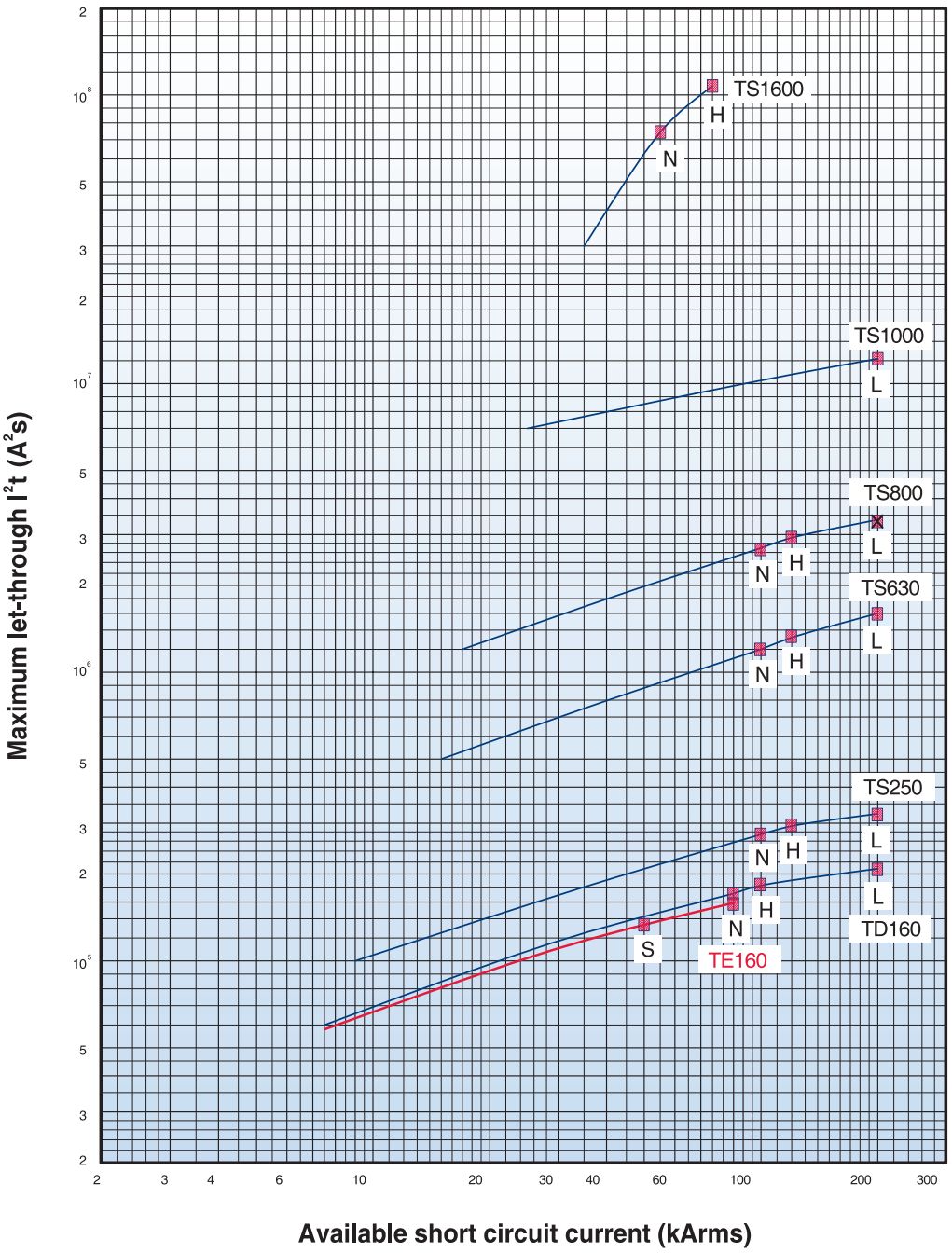
TS1600



Specific let-through energy curves

220/240V

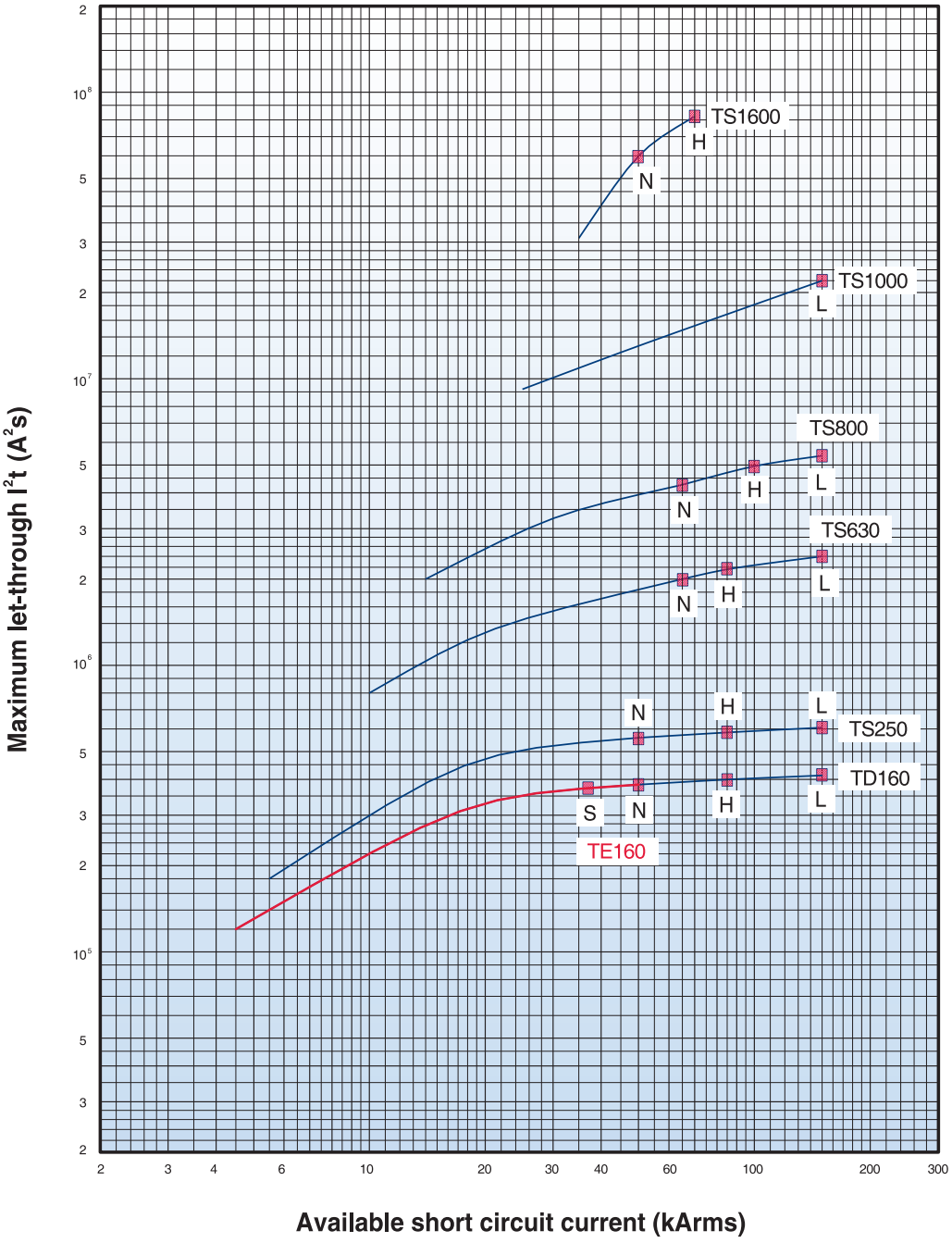
Thermal stress



Specific let-through energy curves

380/415V

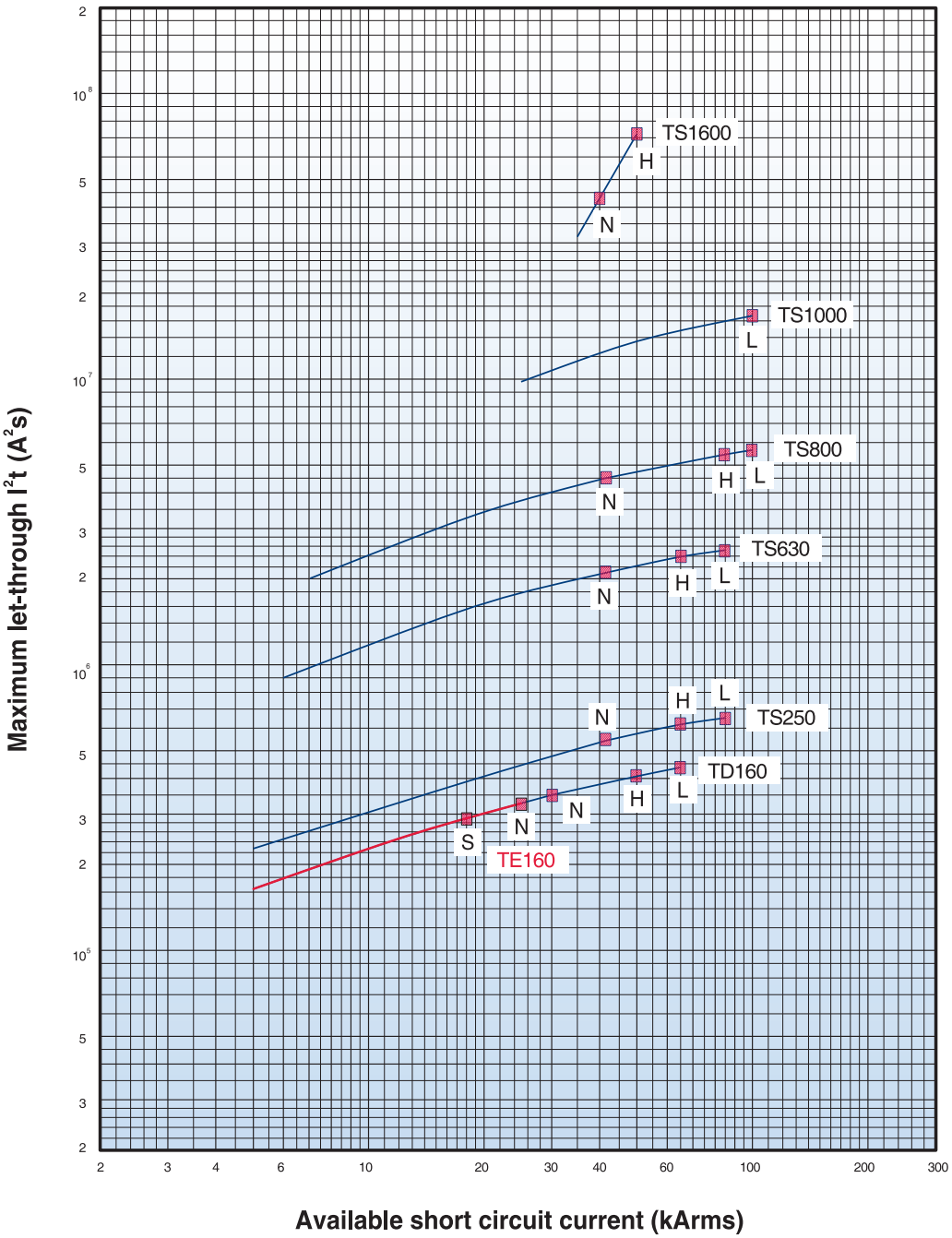
Thermal stress



Specific let-through energy curves

480/500V

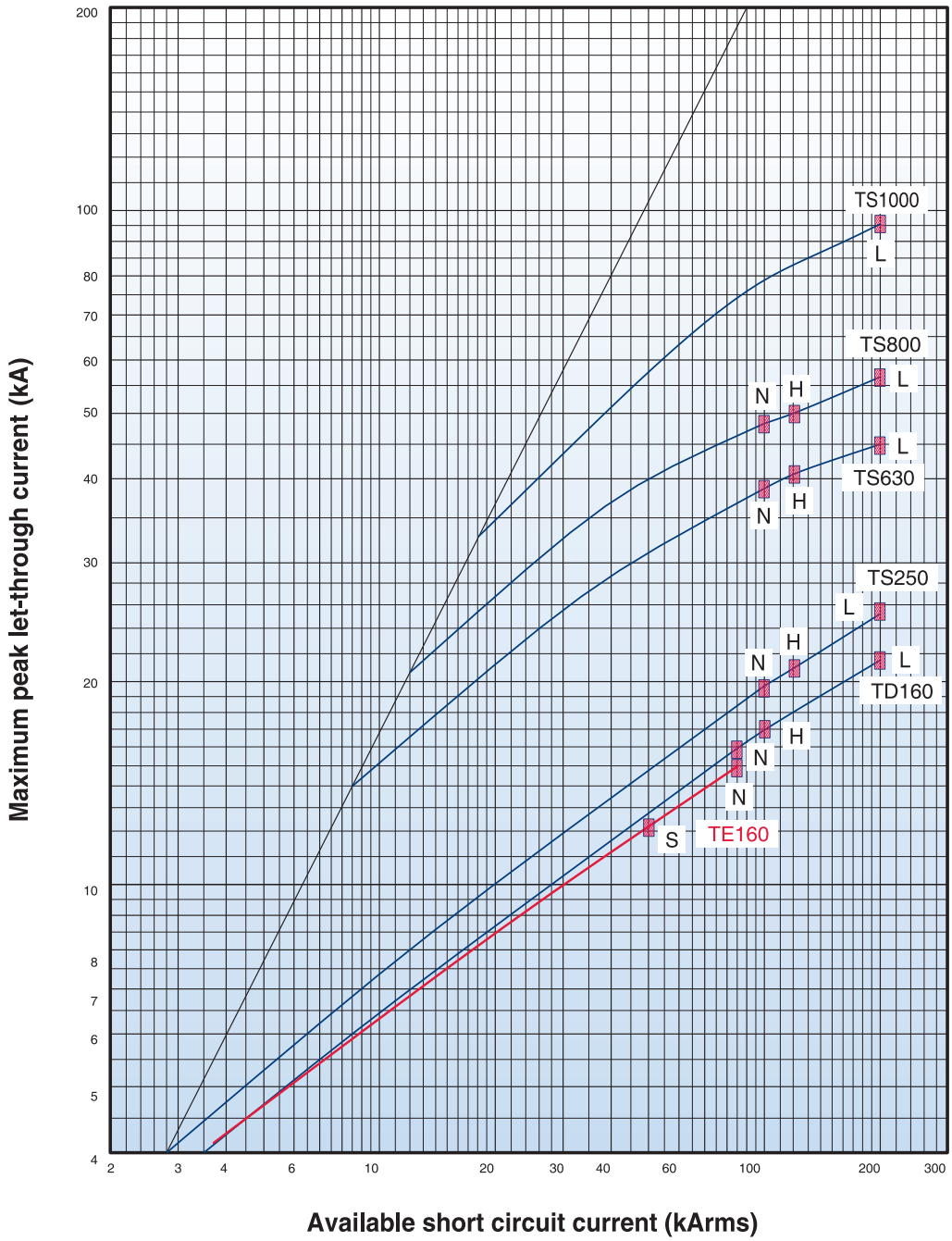
Thermal stress



Current-limiting curves

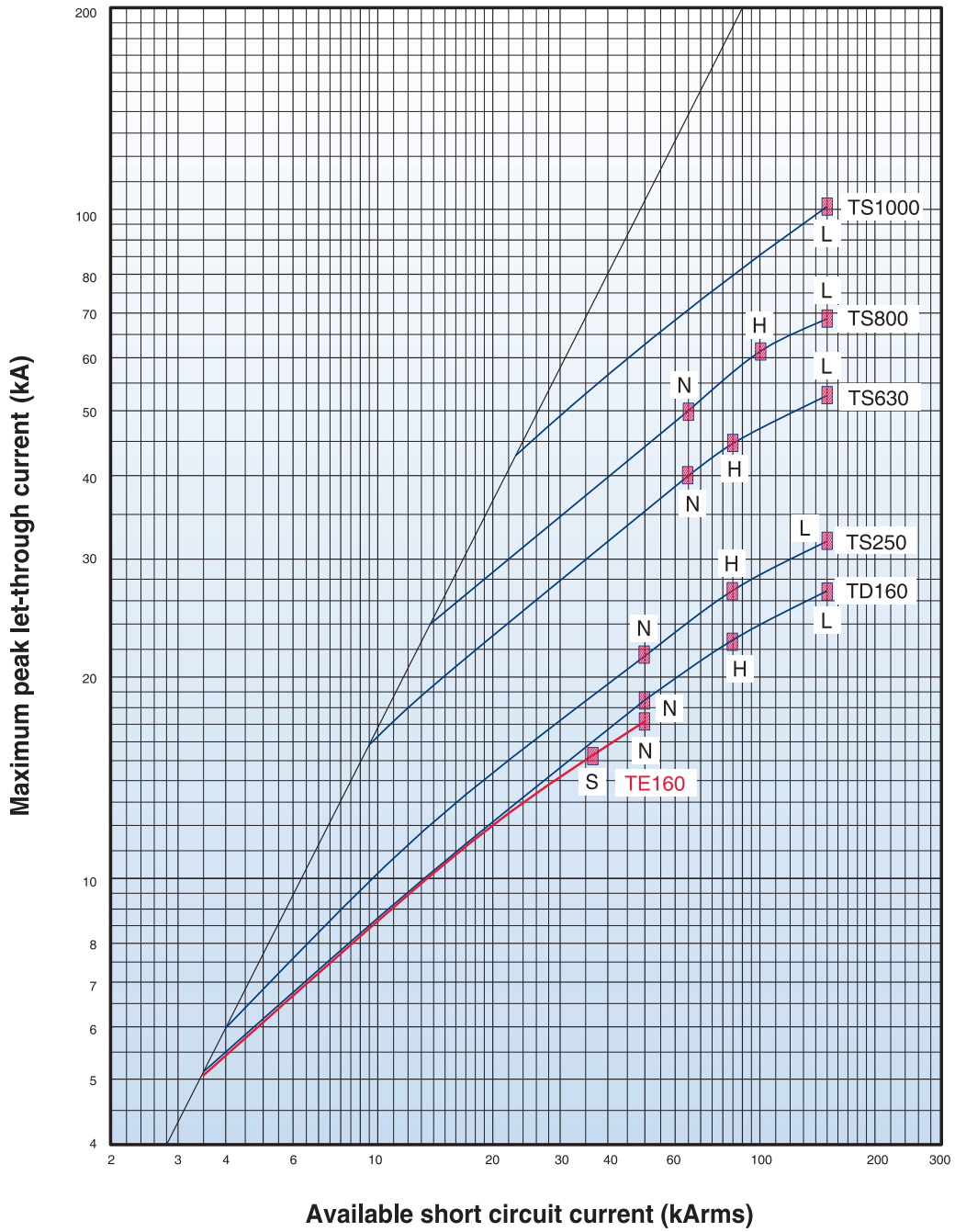
220/240V

Peak current



Current-limiting curves

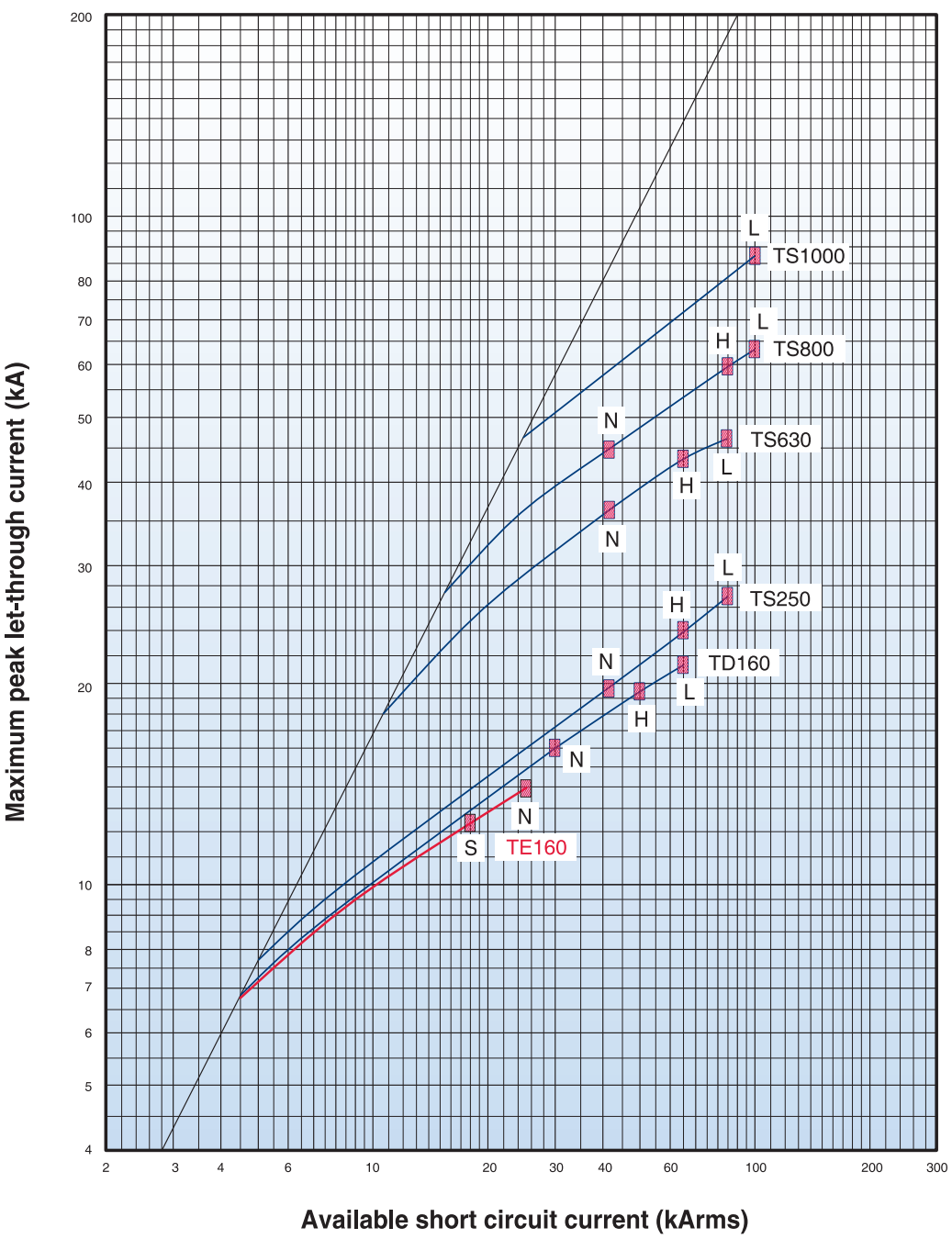
380/415V
Peak current



Current-limiting curves

480/500V

Peak current



Time delay curves (RCD)

RTU23
RTU24
RTU33
RTU34
RTU43

