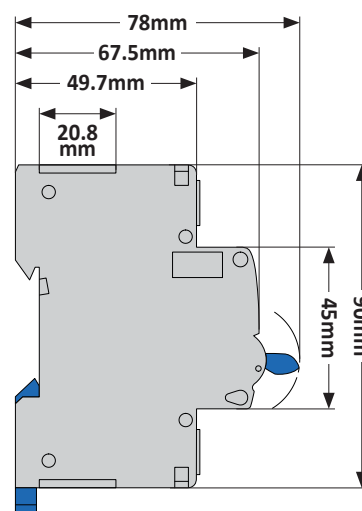
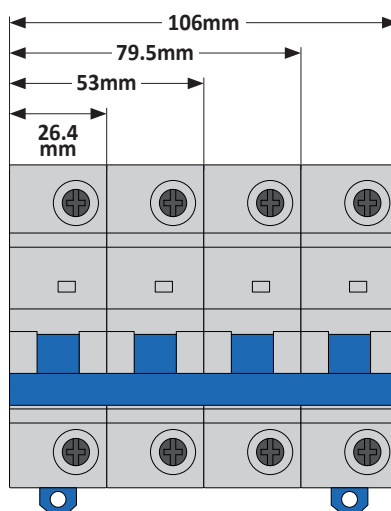


Htec 10kA High Current MCBs

80A - 125A

IEC 60947-2

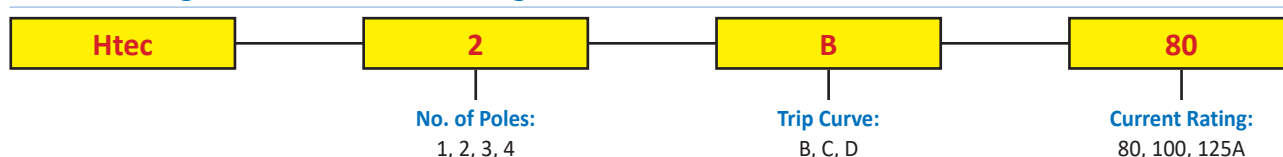


The Htec 10kA High Current range comprises of three different ratings 80A, 100A and 125A and is available in 1-4 pole variants. These are all available in trip curves of B, C and D, providing a cost effective solution for larger current ratings. Due to the higher current ratings they are 26.4mm wide (1.5 modules) per pole.

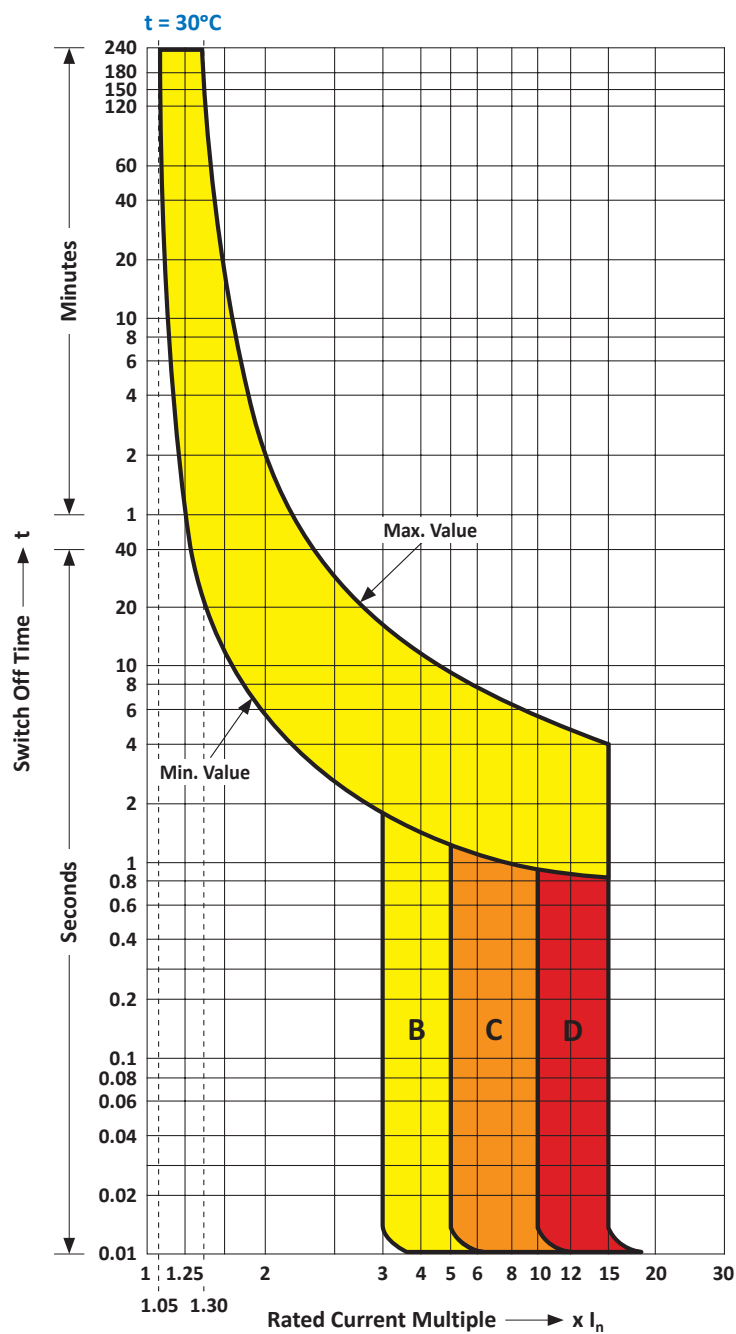
Htec 10kA High Current MCBs Technical Specification

Number of Poles	1, 2, 3 or 4
Rated Voltage	230 / 400 Vac
Current Range	80, 100, 125A
Breaking Capacity (I_{cu})	10kA
Breaking Capacity (I_{cs})	75% I_{cu}
Trip Curves	B, C and D
Rated Frequency	50 / 60Hz
Rated Impulse Withstand Voltage	6kV
Electrical Endurance	8000 Operations
Width	1.5 module (26.4mm)
Cable Size	35mm ² - 50mm ²
Mounting	DIN-Rail according to DIN EN 60715 (35mm)
Terminal Tightening Torque	3 Nm

Htec 10kA High Current MCBs Ordering Scheme



Htec 10kA High Current MCBs Trip Curve (for 50/60Hz AC operation)



Htec 10kA High Current MCBs Impedances, Power Loss and Temperature Compensation

Rated Current of MCB	Internal Impedances & Power Loss		MCB Temperature Compensation									
	Internal Impedance	Power Loss on CB	Effective Rated Current allowing for Ambient Temperature.									
I_n (A)	Z (m Ω)	P (W)	I_{cor} (A)									
	Characteristic B, C & D	Characteristic B, C & D	Ambient Temperature									
			-30°C	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C
80.0	2.3	15	90.6	88.3	86	83.6	82	81.1	80	73.3	70.5	67.6
100.0	1.5	15	113.2	110.4	107.5	104.5	102.5	101.4	100	91.6	88.1	84.4
125.0	1.25	20	141.5	138	134.3	130.6	128.1	126.7	125	114.5	110.1	105.6