MCCB Arc Flash Frame Comparison

Frame/Type	Maximum Continuous Amperes	Trip Unit	PPE Hazard Risk Protection Category[1]								
			Minimum (15X handle @ 480 VAC)			Mid (35k @ 480 VAC)			Maximum (65k or 100k @480 VAC)		
			IEEE 1584 Equations	IEEE 1584 T/C Data[2]	Tested	IEEE 1584 Equations	IEEE 1584 T/C Data[2]	Tested	IEEE 1584 Equations	IEEE 1584 T/C Data[2]	Tested
FD/HFD/FDC	225	Therm/Mag	0	0	≤ 1	1	0	≤ 1	2	1	≤ 1
JD/HJD/JDC	250	Therm/Mag	3	3	≤ 1	1	0	≤ 1	2	1	≤ 1
JGH/JGS/JGE	250	Therm/Mag	3	3	≤ 1	1	0	≤ 1	2	1	≤ 1
KD/HKD/KDC	400	Therm/Mag	>4	>4	≤ 1	1	0	≤ 1	2	1	≤ 1
LD/HLD/LDC	600	Therm/Mag	>4	>4	≤ 1	1	0	≤ 1	2	1	≤ 1
LGH/LGS	600	Therm/Mag	>4	>4	≤ 1	1	0	≤ 1	2	1	≤ 1
HMDL/MDL	800	Therm/Mag	1	1	≤ 1	1	1	≤ 1	1	1	≤ 1
ND/HND/NDC	1200	Electronic	1	1	≤ 1	2	2	≤ 1	2	2	≤ 1
RD/RDC	2500	Electronic	2	2	≤ 1	2	2	≤ 1	2	2	≤ 1

[1] The above ratings apply ONLY at 480 VAC and for arcing currents between 15X breaker handle rating and 100,000 Amps
Arcing currents should be verified qwhen applying products.
[2] T/C = Time Current Curve

Note(s):
Eaton recommends a minimum Category 1 PPE protection
Eaton recommends that electrical equipment is worked on in a deenergized state

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