



# OPTIFUSE CIRCUIT BREAKER SELECTION GUIDE



Series	141, 143	151, 153	251, 253, 351, 353	451, 453, 551, 553	641, 642, 643	651, 652, 653	ACB-N, MRCB-N, ACB-H, MRCB-H, ACB-V, MRCB-V	ACBP-N, MRCBP-N, ACBP-H, MRCBP-H, ACBP-V, MRCBP-V
<b>Reset Types</b>	Type I and Type III (Push-to-trip)	Type I and Type III (Push-to-trip)	Type I and Type III (Push-to-trip)	Type I and Type III (Push-to-trip)	Type I, Type III, and Type III (Push-to-trip)	Type I, Type III, and Type III (Push-to-trip)	Type I, Type II, and Type III	Type I, Type II, and Type III
<b>Current Ratings</b>	25A~200A	25A~200A	25A~200A (251, 253) 25A~300A (351, 353)	25A~250A (451, 453) 25A~300A (551, 553)	10A~60A	10A~60A	10A~50A	10A~50A
<b>Voltage Ratings**</b>	48VDC	48VDC	48VDC	48VDC	32VDC	32VDC	32VDC	32VDC
<b>Calibration @ 25C (percent of rating)**</b>	100% Hold, 135% Trip	100% Hold, 135% Trip	100% Hold, 135% Trip	100% Hold, 135% Trip	100% Hold, 135% Trip	100% Hold, 135% Trip	100% Hold, 150% Trip	100% Hold, 150% Trip
<b>Interrupt Rating</b>	3000A @ 44VDC; 1500A @ 48VDC	3000A @ 44VDC; 1500A @ 48VDC	3000A @ 44VDC; 1500A @ 48VDC	3000A @ 44VDC; 1500A @ 48VDC	2500A @ 32VDC	2500A @ 32VDC	400% Rated Current	400% Rated Current
<b>Operating Temp Range</b>	-32 °C ~ 82 °C	-40 °C ~ 85 °C	-32 °C ~ 82 °C	-32 °C ~ 82 °C	-40 °C ~ 85 °C	-40 °C ~ 85 °C	-10°C ~ 60°C	-10°C ~ 60°C
<b>Mounting</b>	Panel Mount	Surface Mount	Surface Mount	Surface Mount	Panel Mount	Surface Mount	Horizontal (-H-), Vertical (-V-) and No Bracket (-N-)	Horizontal (-H-), Vertical (-V-) and No Bracket (-N-)
<b>Terminal Stud</b>	1/4"-28 Studs	1/4"-28 Studs	1/4"-28 Studs (251, 253) 3/8"-16 Studs (351, 353)	1/4"-28 Studs (451, 453) 3/8"-16 Studs (551, 553)	#10-32 Studs	#10-32 Studs	#10-32 Studs	#10-32 Studs
<b>Studs Torque</b>	10.3 N.m max	10.3 N.m max	10.3 N.m max (251, 253) 30.5 N.m max (351, 353)	10.3 N.m max (251, 253) 30.5 N.m max (351, 353)	2.8 N.m max	2.8 N.m max	3.0 N.m max	3.0 N.m max
<b>Mounting Torque</b>	13.6 N.m max	13.6 N.m max	13.6 N.m max (251, 253) 24.0 N.m max (351, 353)	13.6 N.m max (251, 253) 24.0 N.m max (351, 353)	0.78 N.m max	0.78 N.m max	1.0 N.m max	1.0 N.m max
<b>Ingress Protection</b>	IP67	IP67	IP67	IP67	IP66	IP66	-	IP63
<b>Ignition Protected</b>	SAE J1171	SAE J1171	SAE J1171	SAE J1171	SAE J1171	SAE J1171	SAE J1171	SAE J1171
<b>Standards</b>	SAE J553, IEC 60934, ABYC E-11	SAE J553, IEC 60934, ABYC E-11	SAE J553, ABYC E-11	SAE J553, ABYC E-11	SAE J553, ABYC E-11	SAE J553, ABYC E-11	SAE J553	SAE J553
<b>Other Features</b>		Also available with Stainless Steel hardware (153-SS Series)	Extended body for heavy-duty lugs	Paralell studs for in-line mounting Extended body for heavy-duty lugs	Low profile	Low profile	Insulating cover available	Amperage color coding available Insulating cover available

\*\* Contact factory for versions rated greater than 200A