

DENKA DC Waterproof Circuit Breaker

Surface Mount Hi Amp --- Circuit Breaker



•Description

Hi-amp ; Single Pole
Thermal circuit breaker
IP67 ; Ignition protected

•Typical applications

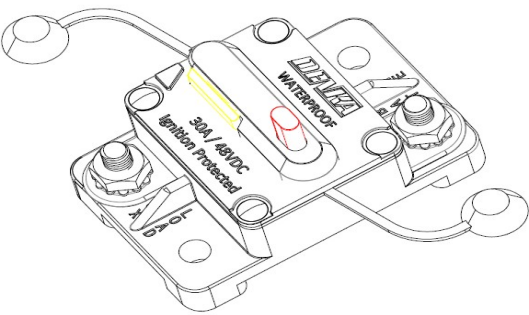
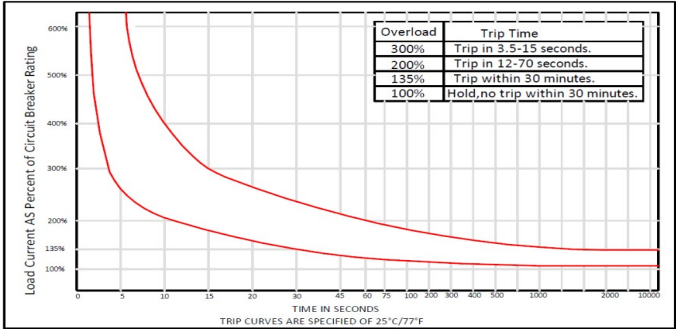
Vehicle /Truck:
Camper , Campervan , Caravan, Truck Tailgate , SUV Winch
Solar System ,Solar Energy , Victron, Solar, Trailer, DIY Camper
Orion-tr smart , Travel Trailer , Upfitter, DC/DC Battery Charger
Inverter, Vehicle Conversions , Police Fleet, Ambulance, Blue Light etc

Marine:
Bowthruster , Sternthruster , Boat Building ,Boat Panel, On Board Solar Ships, electric anchor, trolling motor etc & many more

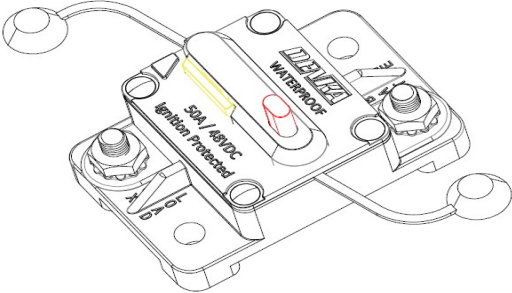
•Technical data

•Current rating range	30A ,50A ,80A
•Input voltage rating	12/24/32/48 VDC
•Interrupting Capacity	5,000A / 12VDC. Type I 2,000A / 14VDC. Type III 1,500A / 48VDC. Type III
•Typical life	1,000 operations at 150% overload.
•Dielectric Strength	> 1,500VAC/min.
•Insulation Resistance	>100MOHM (DC 500V)
•Standard Follow	SAE J553 , SAE J1171 , SAE J1625 ABYC , CE , ROHS , IP67 , UL1077 , UL1500
•Torque rating	10 N.m (Max)
•Reset-Time	<60sec
•Stud size:	1/4"-28t
•Trip Time	
100% of rated current:	Hold,no trip within 30 minutes.
135% of rated current:	Trip within 30 minutes.
200% of rated current:	Trip in 12-70 seconds.
300% of rated current:	Trip in 3.5-15 seconds.

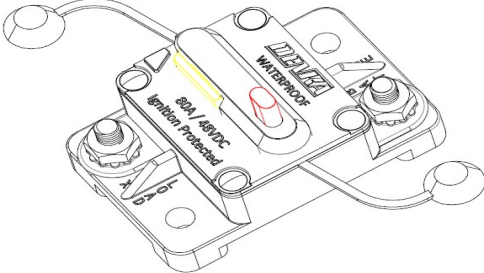
• Trip Time Curves



Surface Mount
(Switchable/Manual) P/N:DCB30S
30A/48VDC



Surface Mount
(Switchable/Manual) P/N:DCB50S
50A/48VDC



Surface Mount
(Switchable/Manual) P/N:DCB80S
80A/48VDC

SAE J553 : LEAD SIZES

Rated Current	SAE Wire Size No.	ISO Cable Size mm ²
5A to 10A	# 18	0.8 mm ²
>10A to 15A	# 16	1 mm ²
>15A to 20A	# 14	2 mm ²
>20A to 30A	#12	3 mm ²
>30A to 40A	# 10	5 mm ²
>40A to 50A	# 8	8 mm ²
>50A to 60A	# 6	13mm2
>60A to 90A	# 4	19 mm2
>90A to 120A	# 2	32 mm2
>120A to 150A	# 0	50 mm2
>150A to 200A	# 00	62 mm2