

POWERVAL®



GENERAL DESCRIPTION

Breaking capacity	2000 A
Voltage rating	32 V
Ambient temp. + overheating	-40 °C to +125 °C
Body material	PA66-GF30
Blade material	See table below
Blade coating	Tin plated
Rivets material	Steel
Mounting screw	M8
Tightening torque	12±1 Nm
Compliant with	REACH, RoHS

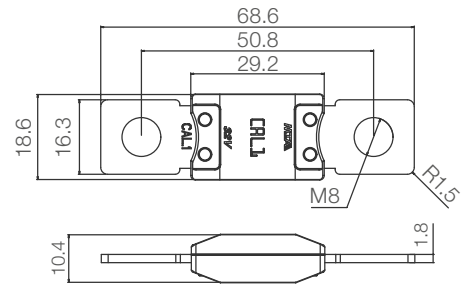
RATINGS

Size [A]	Color coding	Blade material	Expected voltage drop [mV]	ISO cable size [mm ²]	I ² t* [A ² s]	Average cold resistance** [mΩ]
CAL.1	Grey	Zinc alloy	22	16	TBD	0.2
CAL.2	Black	Zinc alloy	24	25	TBD	0.2
CAL.3	Red	Copper	30	50	TBD	0.2
CAL.4	Brown	Copper	35	50	TBD	0.2
CAL.5	Wheat Grey	Copper	30	50	TBD	0.1

*Calculated from breaking capacity test.

**At ambient temperature = 24 ±1 °C, injection time = 0.3 to 0.8 sec.

OVERALL DIMENSIONS



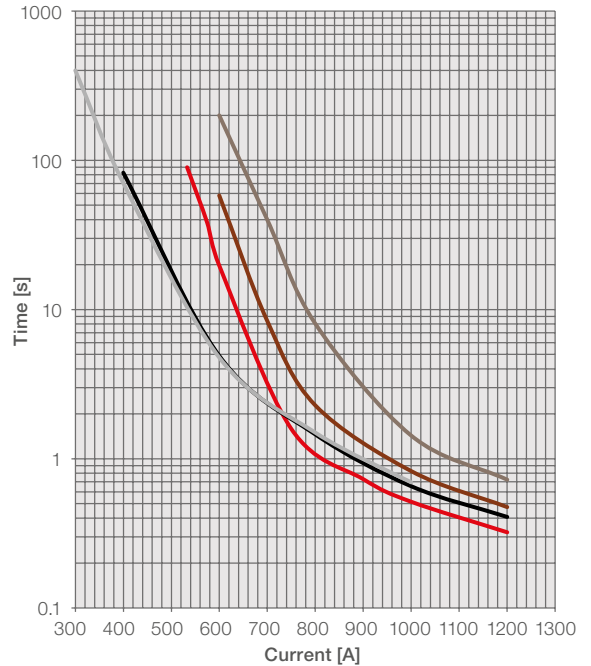
Dimensions in mm.

MELTING TIME AND CURVE

Operating time, typical value [s]:

I [A]	CAL.1	CAL.2	CAL.3	CAL.4	CAL.5
400	70.3	82.6	-	-	-
500	-	-	107	-	-
600	4.76	4.89	17.1	58.1	-
700	-	-	-	8.39	40
750	-	-	1.59	-	-
800	1.50	1.46	-	2.28	8.04
900	-	-	0.730	-	-
1000	0.965	0.655	0.520	0.726	1.429
1200	-	0.407	0.321	0.474	0.724

Melting time graph at 23°C on test module ISO.



DERATING CURVE

