

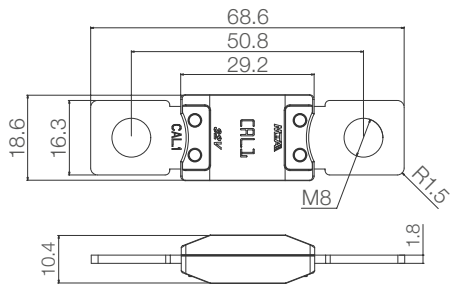
# POWERVAL®



## 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	Copper
Mounting screw	M8
Tightening torque	12±1 Nm
Vibration class compliant with	ISO 16750-3 Test IV
Compliant with	ISO 8820-5 (SF 51 fuse link dimensions) REACH, RoHS

## OVERALL DIMENSIONS



Dimensions in mm

## RATINGS

Size	Color coding	Blade material	Expected voltage drop [mV]	ISO cable size [mm <sup>2</sup> ]	I <sup>2</sup> t* [A <sup>2</sup> s]	Average cold resistance** [mΩ]
CAL.1	Grey	Zinc alloy	22 (at 150 A)	16	560000	0.2
CAL.2	Black	Zinc alloy	24 (at 150 A)	25	564000	0.2
CAL.3	Red	Copper	30 (at 150 A)	50	392000	0.2
CAL.4	Brown	Copper	35 (at 180 A)	50	564000	0.2
CAL.5	Wheat Grey	Copper	30 (at 180 A)	50	792000	0.1

\*Calculated from breaking capacity test  
\*\*At ambient temperature = 23 ±1 °C

## MELTING TIME AND CURVE

Operating time, typical value [s]:

I [A]	CAL.1	CAL.2	CAL.3	CAL.4	CAL.5
400	70	120	-	-	-
500	-	-	105	-	-
600	5	5	20	60	-
700	-	-	-	10	40
750	-	-	2	-	-
800	1.5	1.5	-	2.5	8.0
900	-	-	0.7	-	-
1000	0.7	0.7	0.5	0.7	1.4
1200	-	0.4	0.3	0.5	0.7

Melting time graph at 23°C on test module ISO

