

# COPPER MIDIVAL®

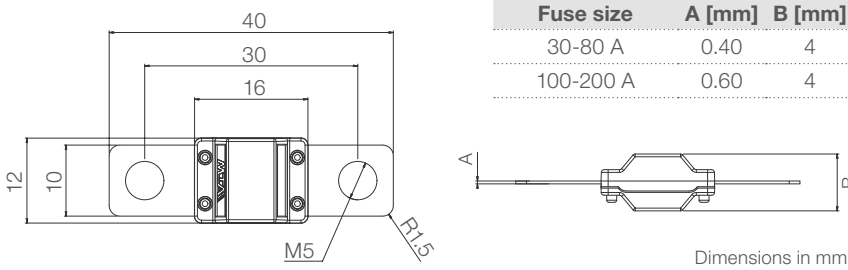


Clinched version available

## GENERAL DESCRIPTION

Breaking capacity	2000 A
Voltage rating	32 V
Ambient temp. + overheating	-40 °C to +125 °C
Body material	PA66-GF25
Blade material	Copper
Blade coating	Tin plated
Mounting screw	M5
Tightening torque	4.5±1 Nm
Vibration class compliant with	ISO 16750-3 Test IV
Compliant with	ISO 8820-5 (type SF 30) REACH, RoHS

## OVERALL DIMENSIONS

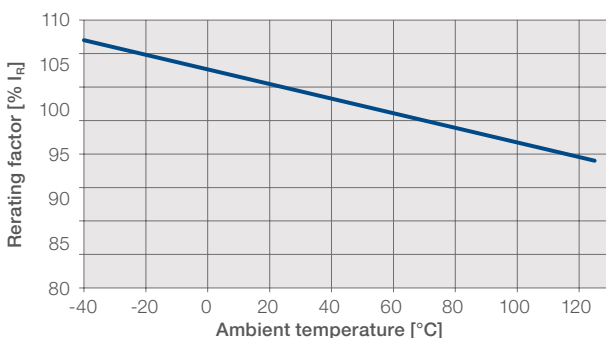


## RATINGS

Size [A]	Color coding	Expected voltage drop [mV]	ISO cable size [mm²]	I²t [A²s]	Average cold resistance* [mΩ]
30	Orange	105	2.5	4300	1.9
40	Green	90	4.0	6300	1.4
50	Red	80	6.0	9800	0.9
60	Yellow	80	6.0	16600	0.7
70	Brown	80	10.0	20800	0.7
80	White	75	10.0	31000	0.6
100	Blue	75	16.0	37500	0.4
125	Pink	75	25.0	69500	0.3
150	Grey	70	25.0	80000	0.4
175	Light brown	70	25.0	116000	0.3
200	Violet	70	25.0	172000	0.3

\* At ambient temperature = 23 ±1 °C, injection time = 0.5 sec

## DERATING CURVE



## MELTING TIME AND CURVE

Operating time limits:

% IR	30 to 125 A		150 to 200 A	
	Min [s]	Max [s]	Min [s]	Max [s]
0.75	-	-	360000	∞
1.0	360000	∞	-	-
1.1	14400	∞	-	-
1.5	90	3600	-	-
2.0	3	100	1	15
3.0	0.3	3	-	-
3.5	-	-	0.3	5
5.0	0.1	1	-	-
6.0	-	-	0.1	1

