

# MTL MA3350 range

## Surge Protection Device for Low-voltage power distribution systems

### SPECIFICATIONS

#### Category

EN 61643-11 Type 1 & 2  
IEC 61643-1 Class I & II

#### Temperature range

-40 C°- +80 C°

#### Lead cross section

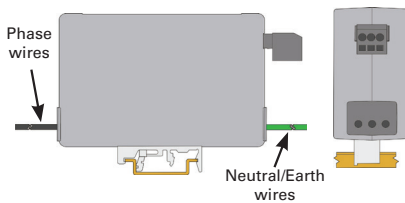
Models 1R through 4R = 3mm<sup>2</sup>  
(#12 AWG)  
Models XR = 8mm<sup>2</sup> (#8 AWG)

#### Mounting EN 60715

35mm top hat

#### Dimensions DIN 43880

1 TE



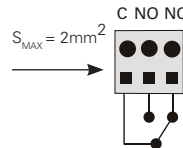
#### Mounting

- Mounting of overvoltage arresters must be carried out by qualified personnel only.
- Overvoltage arresters must be installed in compliance with national

regulations and consideration of protection conditions (IEC 60364-5-534).

- Overvoltage arresters can be damaged if exposed to electrical loading which exceeds the values given in the table.
- Unauthorized intervention within the arrester is not permitted and invalidates the guarantee.

#### Remote signal connection



**Contacts Ratings:**  
62.5VA, AC; 60W DC, 1A max


**Note:** Contacts will change state if there is an internal failure or if a power loss occurs.

### Handling after expiration of life expectancy

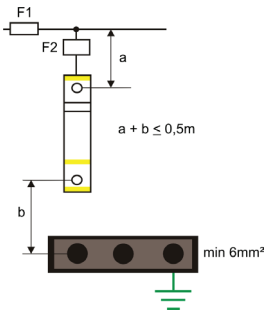
The product can be taken apart and the plastic and metal parts recycled in compliance with local regulations.

### Back-up fuse

**None required.** If back-up fuse is desired, use the following table.

F1		$F1 > 100 \text{ A gL} \rightarrow F2 = 100 \text{ AgL}$
		$F1 \leq 100 \text{ A gL} \rightarrow F2 : \text{not installed}$

### Installation



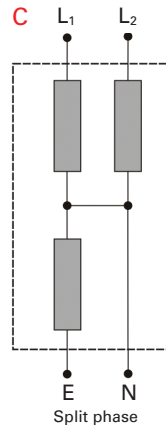
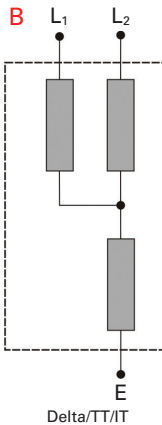
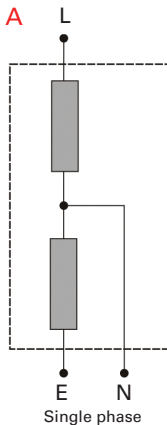
### SPD connections

**CAUTION:** Verify voltage and earthing configuration of this product; match the voltage and earthing configuration of the installation.

MA3350-120-1R  
MA3350-240-1R  
MA3350-100-1R  
MA3350-200-1R

MA3350-240-2R  
MA3350-480-2R  
MA3350-200-2R  
MA3350-380-2R  
MA3350-415-2R

MA3350-120-3R  
MA3350-100-3R



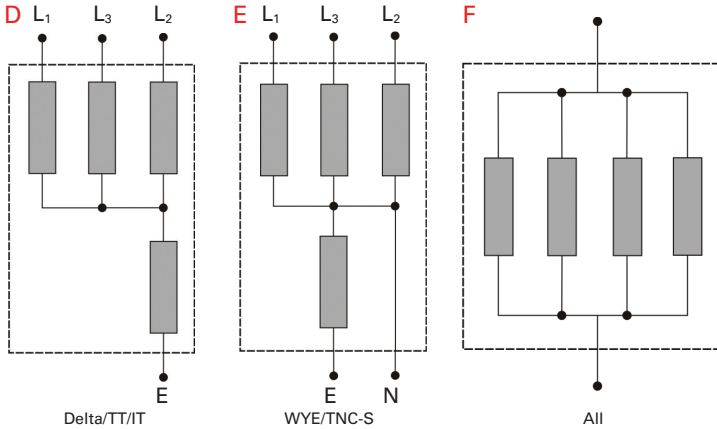
## MTL MA3350 range

February 2017

MA3350-240-3R  
MA3350-480-3R  
MA3350-200-3R  
MA3350-380-3R  
MA3350-415-3R

MA3350-120-4R  
MA3350-240-4R  
MA3350-100-4R  
MA3350-200-4R

MA3350-120-XR  
MA3350-240-XR  
MA3350-100-XR  
MA3350-200-XR



- Mount the MA3350 to the DIN rail close to the connection points.
- Connect the phase wires to the applicable supply phases (L1, L2, L3).
- Connect the neutral wire (if applicable) to the supply neutral buss.
- Connect the ground (earth) wire to the supply ground (earth) buss.

### LED Indication

Green LED ON - Power ON  
Red LED OFF - Protection OK

Green LED OFF - Power ON  
Red LED ON - Replace unit

Green LED OFF - Check AC supply  
Red LED OFF - Faulty unit, replacement needed

## Table defining cable colours

MODEL	L1	L3	L2	N (NEUTRAL)	E (EARTH)
MA3350-100-4R	BROWN	GREY	BLACK	BLUE	GRN/YLW
MA3350-120-4R	BROWN	GREY	BLACK	BLUE	GRN/YLW
MA3350-200-4R	BROWN	GREY	BLACK	BLUE	GRN/YLW
MA3350-240-4R	BROWN	GREY	BLACK	BLUE	GRN/YLW
MA3350-100-3R	BLACK		BLACK	WHITE	GREEN
MA3350-120-3R	BLACK		BLACK	WHITE	GREEN
MA3350-100-1R	BROWN	-	-	BLUE	GRN/YLW
MA3350-120-1R	BROWN	-	-	BLUE	GRN/YLW
MA3350-200-1R	BROWN	-	-	BLUE	GRN/YLW
MA3350-240-1R	BROWN	-	-	BLUE	GRN/YLW
MA3350-200-3R	BROWN	GREY	BLACK	-	GRN/YLW
MA3350-240-3R	BROWN	GREY	BLACK	-	GRN/YLW
MA3350-200-2R	BROWN		BLACK	-	GRN/YLW
MA3350-240-2R	BROWN		BLACK	-	GRN/YLW
MA3350-100-XR	BLACK	-	-	-	GREEN
MA3350-120-XR	BLACK	-	-	-	GREEN
MA3350-200-XR	BLACK	-	-	-	GREEN
MA3350-240-XR	BLACK	-	-	-	GREEN



**Eaton Electric Limited,**  
Great Marlings, Butterfield, Luton  
Beds, LU2 8DL, UK.  
Tel: + 44 (0)1582 723633 Fax: + 44 (0)1582 422263  
E-mail: [mtl enquiry@eaton.com](mailto:mtl enquiry@eaton.com)  
[www.mtl-inst.com](http://www.mtl-inst.com)  
© 2017 Eaton  
All Rights Reserved  
Publication No. INS 801-704 Rev D 070217  
February 2017

**EUROPE (EMEA):**  
+44 (0)1582 723633  
[mtl enquiry@eaton.com](mailto:mtl enquiry@eaton.com)  
**THE AMERICAS:**  
+1 800 835 7075  
[mtl-us-info@eaton.com](mailto:mtl-us-info@eaton.com)

**ASIA-PACIFIC:**  
+65 8645 9864 / 6645 9865  
[sales.mtlasing@eaton.com](mailto:sales.mtlasing@eaton.com)

The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.