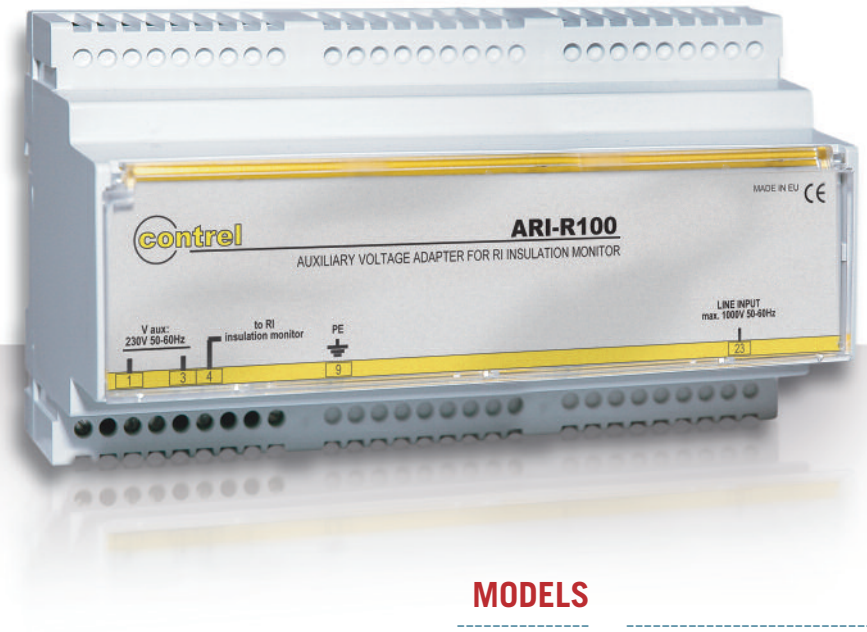
ARI-R100 series

ADAPTER FOR NETWORKS TILL **1000 Vac**

VOLTAGE ADAPTER FOR INSULATION MONITORING RI-R38

GENERAL

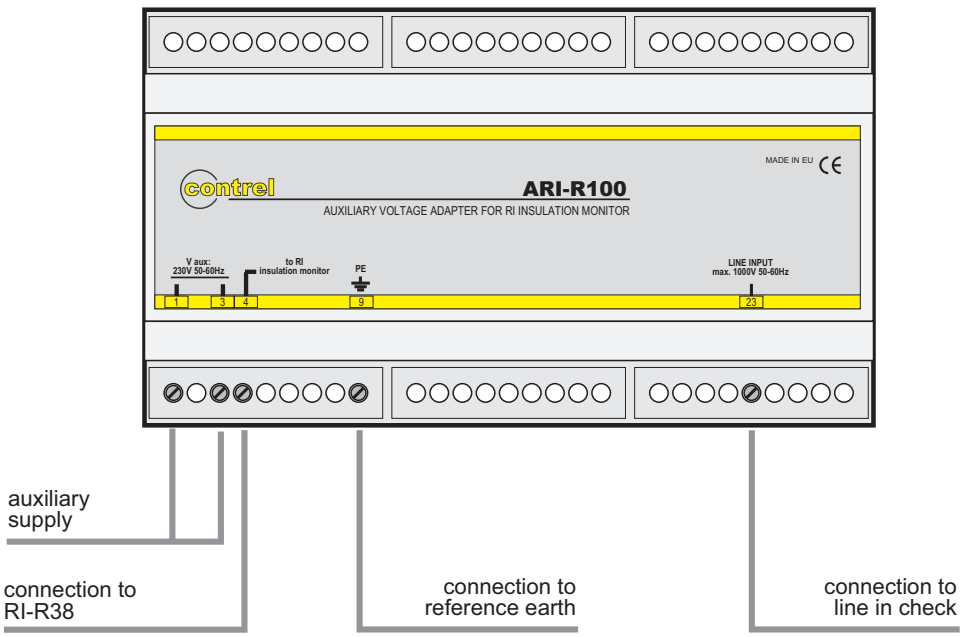


ARI-R100 is an adapter which allow the use of insulation monitors RI-R38 on single phase and three phase up to 1000 V 50-60 Hz.
the adapter have to be connected between RI-R38 insulation ralay and under-control network.
Under-control network could be three phase network with neutral, three phase without neutral and single phase network.
Maximum voltage has not to outweigh 1000 V 50-60 Hz (application of adapter for networks in direct-current or with strong presence of direct-current components is not possible).
ARI-R100 needs an auxiliary supply (normally the same of RI-R38 relay).

MODELS

ARI-R100	Vaux: **230 V** 50-60 Hz (standard version)
ARI-R100	Vaux: **110 V** 50-60 Hz (optional version)

FUNCTIONS AND OPERATORS - LEGENDA



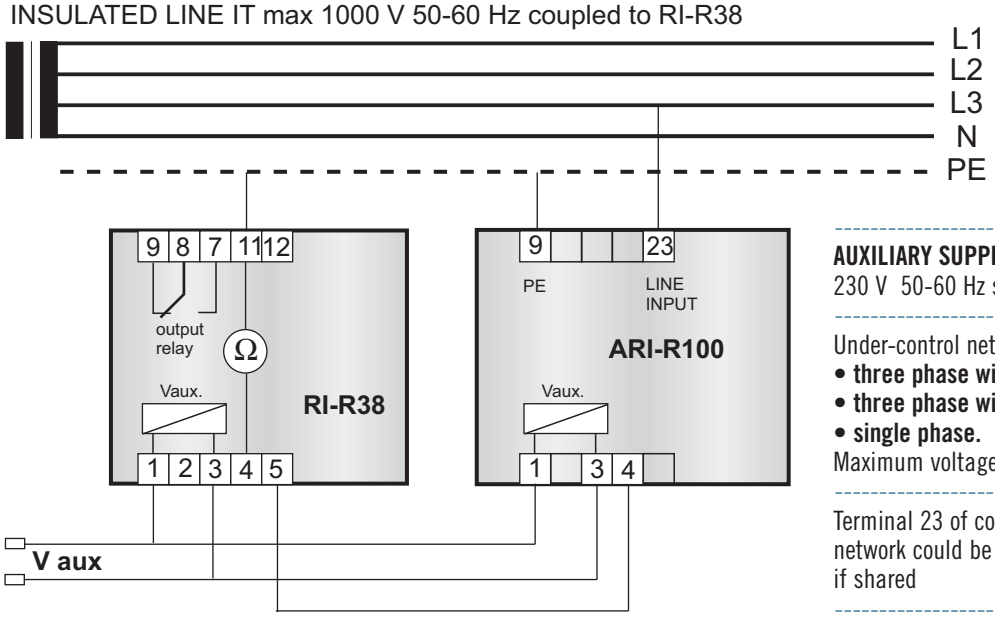
MICROENER - 49 rue de l'Université - F93160 Noisy le Grand - France - +33(0)148150909 - info@microener.com - www.microener.com

ELECTRIC CHARACTERISTICS

Input voltage of under-control network	**MAX 1000 V +20 % 50-600 Hz**
Auxiliary supply	**230 V 50-60 Hz ± 20 % standard or 110 V 50-60 Hz ± 20 % optional**
Output voltage for RI-R22	**MAX 230 V 50-60 Hz**
Working temperature	**- 10 …+ 60 °C**
Storing temperature	**- 20 …+ 70 °C**
Relative humidity	**< 90 %**
Insulation test	**6 kV 60 sec**
Assembling position	**indifferent**
Connection type	**by screw terminals - wire section MAX 2.5 mm²**
Protection's degree	**IP 40 frontal with cap - IP 20 case**
Mounting according with DIN 50022	**easy connection snap on DIN rail 35 mm / 3 modules of 17.5 mm**
Standard reference	**CEI-EN 61010-1 / CEI-EN 61557-8 / VDE 0413 part.8 / CEI-EN 61326-1**

WIRING DIAGRAMS

INSULATED LINE IT max 1000 V 50-60 Hz coupled to RI-R38



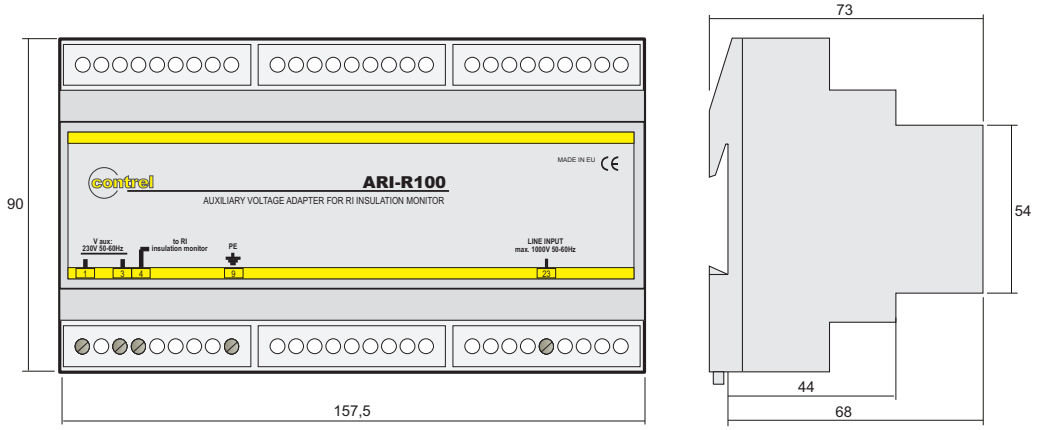
AUXILIARY SUPPLY - terminals 1-3
230 V 50-60 Hz standard - optional 110 V 50-60 Hz

Under-control network could be:
- **three phase with neutral,**
- **three phase without neutral shared or without neutral,**
- **single phase.**

Maximum voltage has not to outweigh 1000 V 50-60 Hz.

Terminal 23 of connection between ARI-R100 and network could be connected single-phase or with neutral, if shared

DIMENSIONS



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