



Main

Range of product	Modicon Universal
Product or component type	Safety and isolation transformer
Rated power in VA	1000 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	24/48 V AC
Secondary winding	Double
Protective cover	Without
Ambient air temperature for operation	-20...60 °C

Complementary

Input voltage limits	207...253 V 360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	92 %
Power dissipation in W	87 W
Voltage variation at nominal load	0,0337 at 230 V 0,0362 at 400 V
Output sustained overvoltage	0,037 (no load, hot state)
Maximum voltage drop at rated load	4.46 %
No load losses	32.95 W
Short-circuit voltage	0,047
Output protection type	Against overload, protection technology: external Against overvoltage, protection technology: external Against short-circuits, protection technology: external
Connections - terminals	For input connection: screw type terminals, connection capacity: 5 x 4 mm ² AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm ² AWG 11 For output connection: screw type terminals, connection capacity: 4 x 10 mm ² AWG 6
Marking	CE
Fixing mode	By 4 screws diameter: 7 mm on vertical panel, operating position: horizontal By 4 screws diameter: 7 mm on vertical panel, operating position: vertical By 4 screws diameter: 7 mm on horizontal panel with derating to 90 %
Output coupling	Series by internal jumper Parallel Grounding of secondary
Operating altitude	3000 m
Electrical insulation class	Class F
Width	150 mm
Height	146 mm
Depth	156 mm
Net weight	14 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications	EAC UR
Standards	UL 506
IP degree of protection	IP20
Environmental characteristic	EMC conforming to EN 62041 Safety conforming to EN 61558-1 Safety conforming to EN 61558-2-6
Ambient air temperature for storage	-40...80 °C
Relative humidity	0...95 % during operation
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	3200 V between input and ground 3200 V between output and ground 5100 V between input and output

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	14.824 kg
Package 1 Height	25.5 cm
Package 1 width	34.5 cm
Package 1 Length	35.2 cm
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Weight	67.796 kg
Package 2 Height	80 cm
Package 2 width	80 cm
Package 2 Length	60 cm

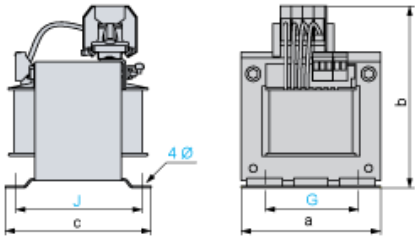
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
PVC free	Yes

Contractual warranty

Warranty	18 months
----------	-----------

Dimensions



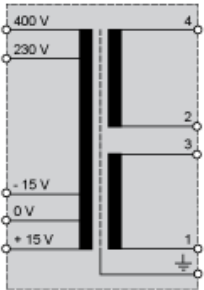
Dimensions in mm

a	b	c	G	J	Ø
150	196	156	122	134	7

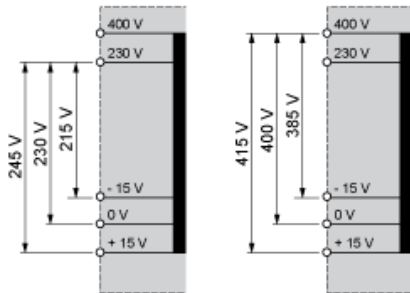
Dimensions in in.

a	b	c	G	J	Ø
5.90	7.72	6.14	4.80	5.28	0.27

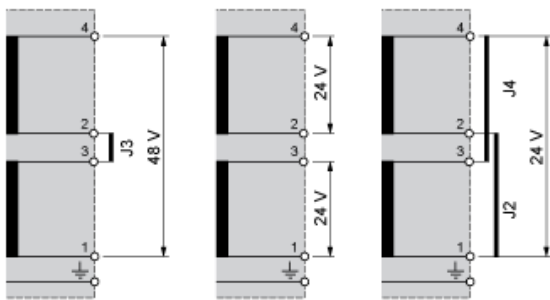
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



J2, Internal Jumper
J3,
J4