



Main

Range of product	Modicon Universal
Product or component type	Safety and isolation transformer
Rated power in VA	1600 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	115/230 V AC
Secondary winding	Double
Protective cover	Without
Ambient air temperature for operation	-20...60 °C

Complementary

Input voltage limits	360...440 V 207...253 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	94 %
Power dissipation in W	102.1 W
Voltage variation at nominal load	0,0286 at 400 V 0,0306 at 230 V
Output sustained overvoltage	0,027 (no load, hot state)
Maximum voltage drop at rated load	3.14 %
No load losses	26.38 W
Short-circuit voltage	0,035
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: 6 x 4 mm ² AWG 11
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	Parallel Grounding of secondary Series by internal jumper
Operating altitude	3000 m
Electrical insulation class	Class F
Width	174 mm
Height	162 mm
Depth	167 mm
Net weight	20 kg


Environment

Product certifications	UR EAC
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	22.018 kg
Package 1 Height	29.6 cm
Package 1 width	39.4 cm
Package 1 Length	39.8 cm
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Weight	92.3 kg
Package 2 Height	77 cm
Package 2 width	60 cm
Package 2 Length	80 cm

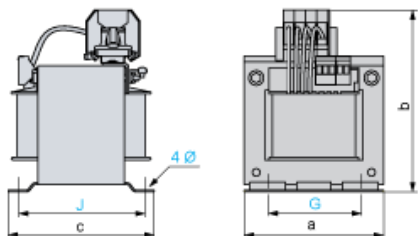
Offer Sustainability

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
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Dimensions



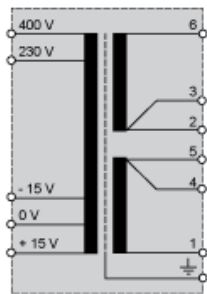
Dimensions in mm

a	b	c	G	J	Ø
174	163	167	135	141	7

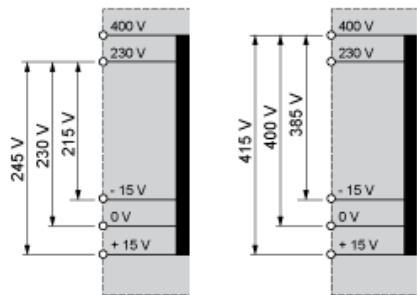
Dimensions in in.

a	b	c	G	J	Ø
6.85	6.42	6.57	5.31	5.55	0.27

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

