Contatti REO Italia:
+39 030 279 3883 •
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REOMED 300

Isolation Transformer for the Medical Technology



Unique Selling Point

- IEC 60601-1 (ed 3.1)
- IEC 60601-1-2 (ed 4.0)
- Certificated according to NRTL
- Optional shield winding between primary and secondary current
- Variants with filter and surge protection
- High efficiency with a very low magnetic field
- Wide range of options
- Small weight
- Short-circuit and overload protection
- Integral start-up current limiter
- Solid aluminum casing
- Epuipotential bonding pin DIN 42801
- Output sockets EN 60320

Description

The TÜV-certified REOMED isolating transformers are proven and reliable equipment for use with all electrical systems in a medical environment. They reduce the leakage current and thus help to ensure the safety of patients.
REOMED isolating transformers are characterized by their very low magnetic stray-fields and reliability, whilst also providing high efficiency and easy connectivity.

Application area:

- Medical systems

Technical Data

- Rated power : 300 VA
- Input voltage : 115 - 230 V

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REOMED	300					
Nominal input power [VA]	300	300	300	300	300	300
Input voltage [V]	115/230	230	115	115	230	115/230
Output voltage [V]	230	230	230	115	115	115/230
Mains frequency [Hz]	50/60	50/60	50/60	50/60	50/60	50/60
Input power plug	1 piece IE C/EN 60320 (C14) UL 498, CSA C22.2 no. 42					
Output power plug	4 piece IEC/EN60320-2-2 (C13) UL 498 CSA C22.2 no. 42					
Power switch [0-1]	yes	yes	yes	yes	yes	yes
Input fuse [A]	T3,15 T1,60	T1,60	T3,15	T3,15	T1,60	T3,15 T1,60
Thermal overload protection [°C]	120	120	120	120	120	120
Max. output current [A]	1,30	1,30	1,30	2,60	2,60	2,60/1,30
Output fuse [A]	-	-	-	-	-	-
Start-up current limiter	yes	yes	yes	yes	yes	yes
Standard	NTC	NTC	NTC	NTC	NTC	NTC
Earth leakage current 127/254V [µA]	<300/500	<300/500	<300/500	<300/500	<300/500	<300/500
Insulation / protection resistance [Ω]	>2M/<0,1	>2M/<0,1	>2M/<0,1	>2M/<0,1	>2M/<0,1	>2M/<0,1
Test voltage	primary-secondary: 4kV AC; primary hosuing / secondary housing: 1,5kV AC					
Protection class/med. class/Type	I/I	I/I	I/I	I/I	I/I	I/I
Protection IP	IP20	IP20	IP20	IP20	IP20	IP20
Ambient temperature [°C]	±0 ... +40	±0 ... +40	±0 ... +40	±0 ... +40	±0 ... +40	±0 ... +40
Ambient air humidity [%]	Relative 30 - 75	Relative 30 - 75	Relative 30 - 75	Relative 30 - 75	Relative 30 - 75	Relative 30 - 75
Max. altitude [m/feet]	3000/9864	3000/9864	3000/9864	3000/9864	3000/9864	3000/9864
Equipotential earthing (DIN42801)	POAG - S6/15					
Housing, Surface	Powder-coated metal - RAL 7035					
Dimensions (BxHxT) [mm/in]	150x85*x240 (*with rubber feet 90) / 5,9x3,34*x9,54 (*with rubber feet 3,54)					
Weight [kg/lbs]	4,5/10					
Approval / principles / Conformity CE	IEC60601-1:2005/AMD1:2012; ANSI/AAMIES 60601-1:2005/CR/2012 CAN/CSA C22.2 No. 60601-1:14 (Medical) USA and Canada IEC60601–1-2:2014(Partly); EN/IEC 61000-3-2:2014; EN/IEC 61000-3-3:2013					
Accessories (Options)						
Power line	Country-specific					
Pull-of protaction	Mechanic retaining kit					
Mounting rails	Mounting kit (2x mounting rails, 4x hexagon screw)					

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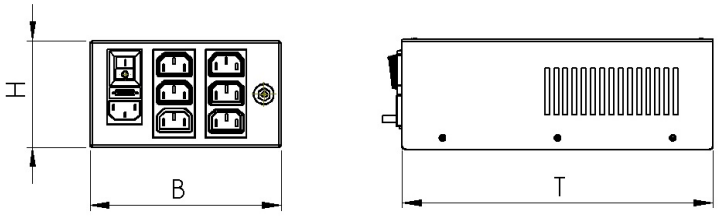

Type	H (mm)	B (mm)	T (mm)	Weight (kg)
REOMED 300	85 (90*)	150	240	4,5

*With rubber feet

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