



- Wires: 2 x light blue primary thermoswitch 140°C.
 Wires: 2 x black secondary thermoswitch 80°C.
 Wires: 2 x yellow rectifier thermoswitch 65°C.
 Wires: 1 x brown; 1 x white – secondary toroid current monitor 150 mV/kA ± 3% at 1kΩ ohmic resistance.
 Earthing: if the earth connection MP is removed another suitable kind of protective measure is to be installed.

Type	Turns ratio	Rated supply voltage U_{In} [V]	Frequency f [Hz]	Permanent input current I_{1p} [A]
MIT-80 H-500/7.1 TM	64:1	500	1000	85
Rectified voltage, U_{2d} [V]		7.1		
Output current [kA]		5.4		
Permanent, I_{2p}	$\otimes x = 20\%$		21	
Nominal	See diagram		50	
On 200 $\mu\Omega$ load, I_{2R}				
Admissible				
Surge I_{FSM} (10ms, T_{jmax} 170°C)				
Protection class	Insulation class	Mass [Kg]	Tel: +44-1483-534 634	
Transformer	IP65	17.5	Fax: +44-1483-573 624	
Terminals	IP00		e-mail: isomatic@isomatic.com www.isomatic.com	

Cooling water min. 6 L/min, max. 30°C

Pressure difference [bar] max. 0.6

Normative references: ISO 5826, ISO 10656, ISO/CD 22829

MF Transformer Rectifier

S_n : 80 kW $\otimes x = 20\%$

2005	Name	Date	Issue
Drawn	VK	20.06	
Checked	GN	30.06	