



- 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-63 H-500/6.3 TM	70:1	500	1000	78
Rectified voltage, $U_{2d}$ [V]		6.3		
Output current [kA]		5.4		
Permanent, $I_{2p}$	$\otimes x = 20\%$		12	
Nominal	On 200 $\mu\Omega$ load, $I_{2R}$		19	
Admissible	Surge $I_{FSM}$ (10ms, $T_{jmax}$ 170°C)		See diagram	
Surge	50		50	
Protection class	Insulation class	Mass [Kg]	Tel: +44-1483-534 634	MF Transformer Rectifier $S_n: 63 \text{ kW } \otimes x = 20\%$
Transformer	IP65	17.5	Fax: +44-1483-573 624	
Terminals	IP00		e-mail: <a href="mailto:isomatic@isomatic.com">isomatic@isomatic.com</a> <a href="http://www.isomatic.com">www.isomatic.com</a>	

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			
$S_n: 63 \text{ kW } \otimes x = 20\%$			
2005	Name	Date	Issue 3
Drawn	VK	20.06	
Checked	GN	30.06	