



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_{1n} [V]	Frequency f [Hz]	Permanent input current I_{1p} [A]	Cooling water min. 6 L/min, max. 30°C	
MIT-120-H-500/10 TM	46:1	500	1000	120		Pressure difference [bar] max. 0.6
Rectified voltage, U_{2d} [V]		10.0				
Output current [kA]		5.4			Normative references: ISO 5826, ISO 10656, ISO/CD 22829	
Permanent, I_{2P}		12				
Nominal @x = 20%		32				
On 200 μΩ load, I_{2R}		See diagram				
Admissible		50			MF Transformer Rectifier S_n : 120 kW @x = 20%	
Surge I_{FSM} (10ms, T_{jmax} 170°C)						
Protection class	Insulation class	Mass [Kg]	Tel.: +359-2-8774-596 Fax: +359-2-9753-032 e-mail isomatic @ isomatic.com www.isomatic.com.			
Transformer	IP65	F	17.5	2003		
Terminals	IP00			Name		
				Date		
				Issue 1		
				Drawn	TT	20.06
				Checked	GN	30.06