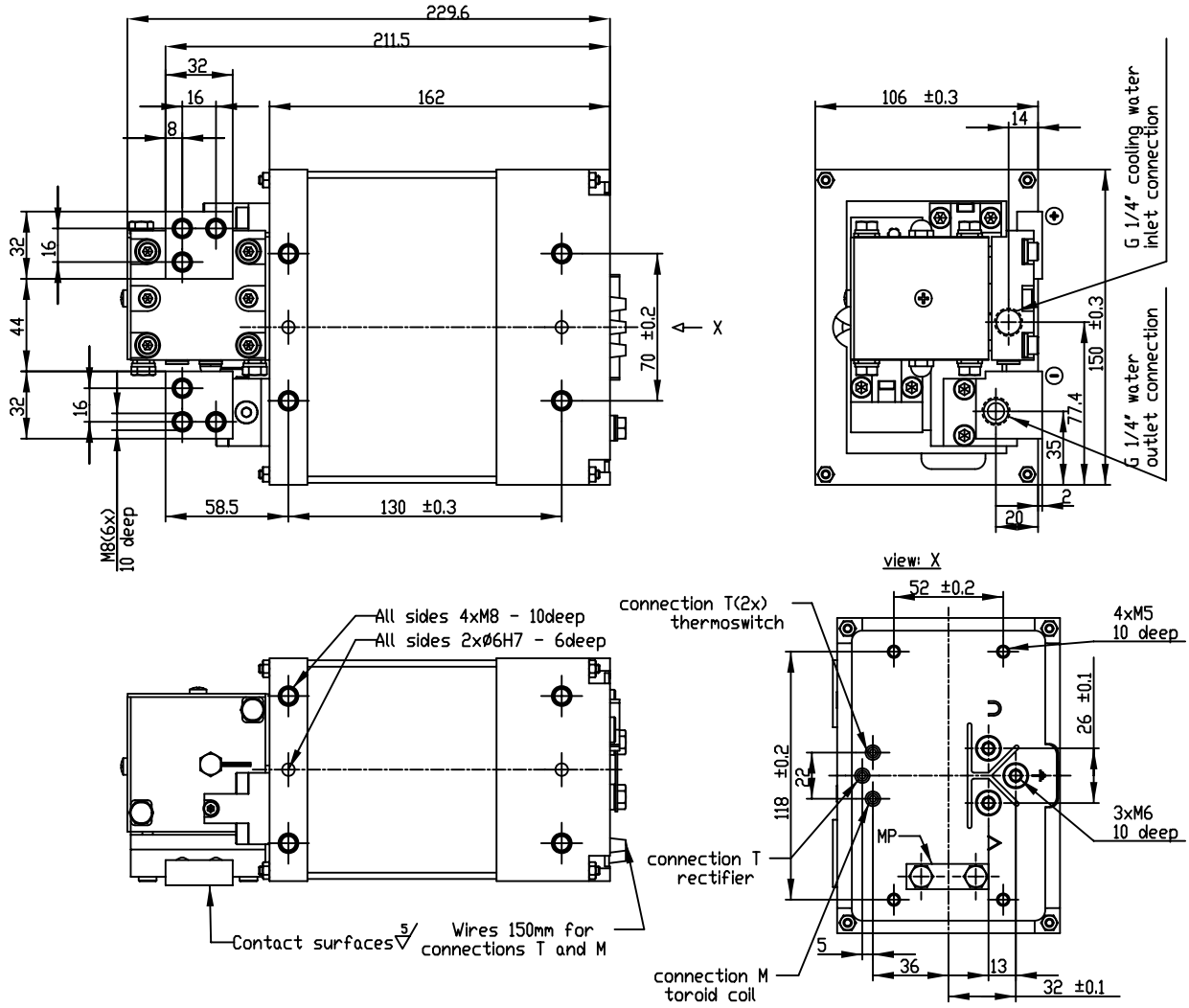

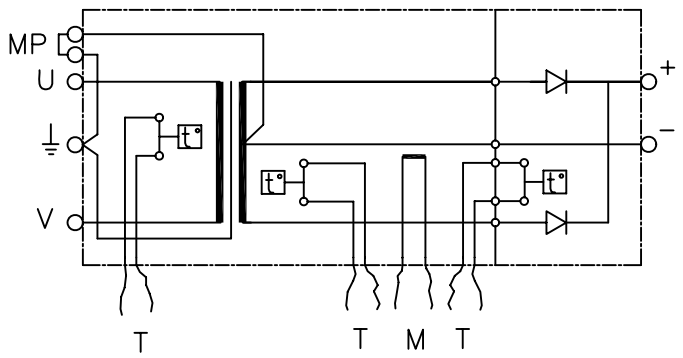

Wires: 2 x light blue
primary thermoswitch 140°C.

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]
MIT–120–H–500/10 TM	46:1	500	1000	120
Rectified voltage, U_{2d} [V]		10.0		
Output current [kA]				
Permanent , I_{2P}		5.4		
Nominal @x = 20%		12		
On 200 μΩ load, I_{2R}		32		
Admissible		See diagram		
Surge I_{FSM} (10ms, $T_{j\,max}$ 170°C)		50		

Protection class		Insulation class	Mass [Kg]
Transformer	IP65	F	17.5
Terminals	IP00		

Tel.: +359–2–8774–596
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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: 120 kW @x = 20%

2003	Name	Date	Issue 1
Drawn	TT	20.06	
Checked	GN	30.06	