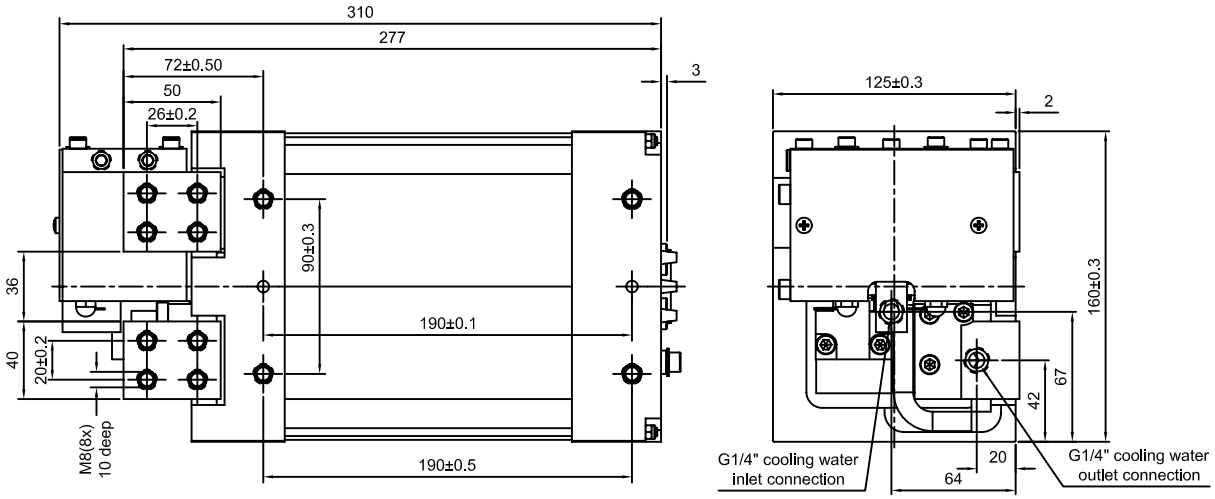

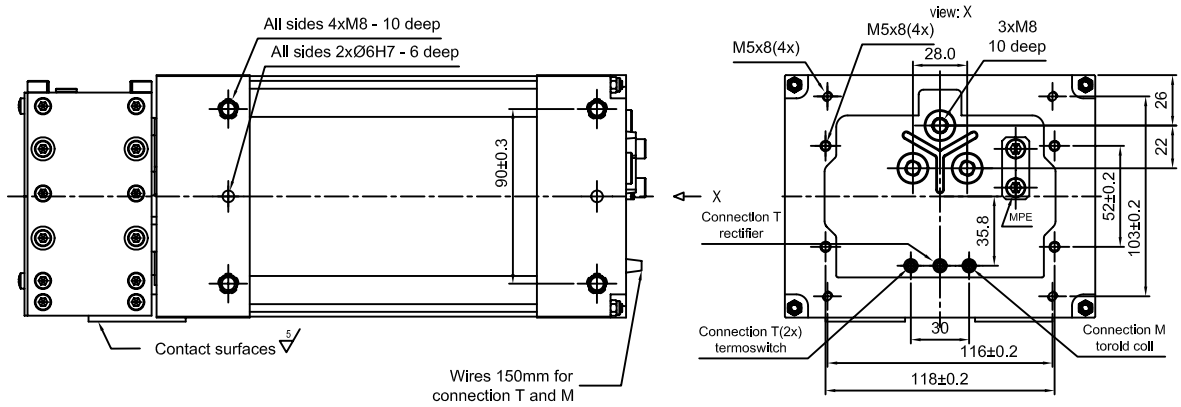

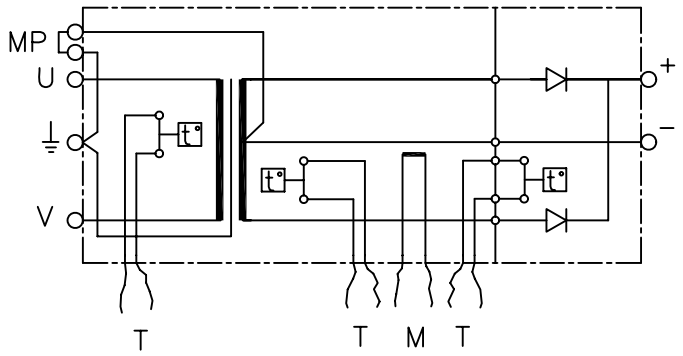

Wires: 2 x light blue
primary thermoswitch 140°C.

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 (*CS=Customer Specified)	Output power @x = 20% [kW]	Rated supply voltage U_{1N}[V]	Permanent input current I_{1p}[A]	Turns ratio n	Rectified voltage U_{2d}[V]	Output current [kA]		
						Permanent I_{2P}	On 200μΩ load I_{2R}	Nominal @x=20%
MIT−J−250−500/12.5 TM	250	500	250	38:1	12.5	9.5	36	20
MIT−J−300−650/14 TM	300	650	220	44:1	14	9.5	41	20
MIT−J−*CS	130−300	500−730	*	30−100:1	6.3−16	*	*	20

Admisible output current − see load diagram

Frequency f : 1000Hz

Surge output current I_{FSM}(10ms, T_{jmax} 170°) : 100kA

Cooling water :
min. 8 L/min, max. 30 C°

Protection class		Insulation class	Mass [Kg]
Transformer	IP65	F	28
Terminals	IP00		

Normative references:
ISO 5826, ISO 10656,
ISO 22829

MF Transformer Rectifier

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2008	Name	Date	Issue 1
Drawn	TT	10.07	
Checked	GN	11.07	

isomatic Lab