DESIGNED FOR TEST
PART OF MG-PRODUCTS

MMI / PDU

CONTROL PANEL, SAFETY & POWER MANAGEMENT

fastATE® Technology

6TL provides the intelligent building blocks, the integrator provides the ATE.

When designing a test system that must operate in production environments, beside the test&measurement tasks, engineers must think about how to control the system, how to design the safety functions involved in this control, and how to manage or distribute the power.

The purpose of the 6TL MMI module is to cover all these safety, control and power distribution needs that are needed in any rack based system, so that the time used to select and implement these common things (safety relays, EPO, On/Off, Communication with operator, and others, is reduced to zero. The 6TL MMI module has all these features already build in.

On top of the basics, 6TL has implemented many additional features that would also be desired, but are rarely implemented because of the high development, engineering and integration time involved (i.e. Temperature Measure & Cooling Fan Control, Programmable I/O's, Safety curtain inputs, Control display, Alarm settings, Hour-Counters…)

In direct connection to the 6TL MMI, another useful fastATE® module is the 6TL PDU, featuring 8 CAN bus controlled, switched and monitored power sockets (Options for different countries), enabling the ATE designer to remotely control the devices integrated into the rack, as well as the startup sequence of his valued equipment.

The combination of the 6TL MMI & PDU will provide the ATE designer full control over his rack based equipment.

MMI

- Platform safety management according to: EN 60947-5-1 and EN 60204.
- PT100 temperature inputs with alarm function.
- System cooling controlled by temperature input.
- Precision AC voltage, current, phase & frequency measurement with alarm function.
- Full Color LCD Graphic control display.
- Run / down-time counters, non-erasable mem.
- 8 floating bipolar switches for external control.
- EPO; local and remote.
- Direct connection and control over PDU.
- 90dB alarm buzzer.
- Connection for Canbus controlled light tower.
- Ethernet port for network connection.
- 2 configurable I/O's, switcable +24V pwr output.

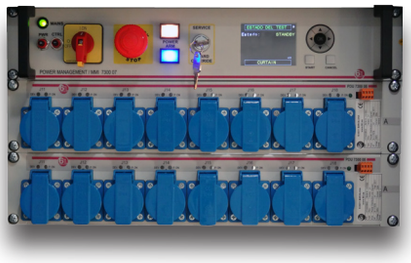
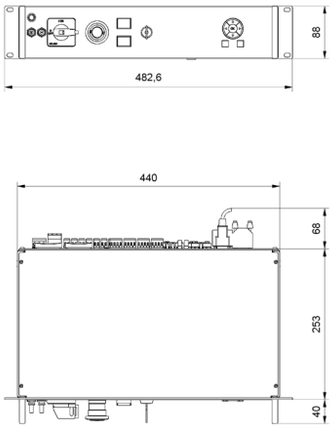
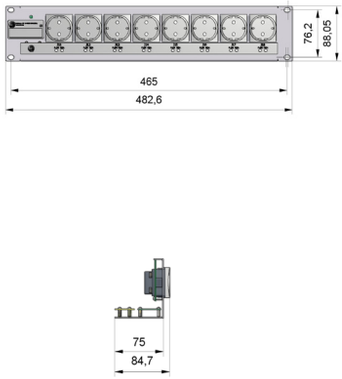
PDU

- Controlled startup of instrumentation.
- $70A_{max}$ distributed current.
- Different power socket types available.
- 4-8 sockets depending on socket type.
- Standard 19" module, 2U height.
- Connection cable to 6TL MMI included.
- Remotely controlled.
- Per socket LED indication to identify switched off or un-pugged instrument.

6TL

www.6TL.es

For more information please contact DFT - MG-Products BV, Rijkevoortsedijk 27A, 5447BD, Rijkevoort, The Netherlands, Phone +31-458382133, info@designedfortest.com, www.designedfortest.com.

		MMI: Control Panel & Safety	PDU: Power Distribution Unit
Electrical Rating	Input Voltage (V; Hz)	90 - 260 50-50Hz	90...265V; 50...60Hz
	Input Current (A)	15	50
	Phases	2	
	Power Inlet connector	3 pole PCB Plug-in	3 pole PCB type Plug-in
	Power Outlet connectors	3 pole PCB Plug-in	8 x IEC, Schuko, Danish, UK, US
	Power Outlet type	1 switched, 2 unswitched	Controlled with switch
	Power Sequencer	No	Automatic, 1ms delay
	Max. current per socket (A)	6	10
Power Protec-tion	Filter	Yes, differential	Yes
	Transient Supression	Yes	Yes
	Circuit Breaker	Yes, 15A	-
Parameter monitoring	Power	Total Mains (V, I, cos phi)	No
	Internal Temp	Yes	No
	External Temp	Ready, 2 PT100 inputs	No
	Alarm	90dB buzzer, parameter	No
Control	Remote control	CAN (NI USB-CAN)	CAN (NI USB-CAN)
	Multidrop / Bus	No	Yes
	Driver	LabVIEW; dll	LabVIEW; dll
	Device interface	320 x 240 Full color LCD	Bi-color indication per each outlet
	YAV modules	CAN connection (x4) and 24VDC PSU	No
	Remote On/Off	Yes, Remote Enable	Yes
	Mains On/Off switch Type	Selector switch, two position. Key lockable	No
	Fan	Ready, 2 connectors, parameter	No
	I/O	2 M12 cononectors	No
	Control of external devices	8 bi-polar switches	No
Safety Functions ISO 13849	EPO	1 NC, connection for external	-
	Key for Safety override (Full version)	Yes	
	Light courtain (Full version)	Ready, available direct connection	-
	System Mirco Controller	RTOS	-
Dimensions (mm)			
Order Information	Power Management & MMI module - Lite	H73000301	-
	Power Management & MMI module - Full	H73000700	-
	PDU 8 socket Type B 15A 120V_{AC} (US)	-	H730008BS
	PDU 8 socket Type C 8,3A 240V_{AC} (CEI)	-	H730008CS
	PDU 8 socket Type F 16A 240V_{AC} (Euro)	-	H730008FS
	PDU 8 socket Type G 13A 240V_{AC} (UK)	-	H730008GS
	PDU 8 socket Type I 10A 250V_{AC} (AU/China)	-	H730008IS
	PDU 8 socket Type K 10A 230V_{AC} (Danish)	-	H730008KS

Other PDU socket options available

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