

General description

Smart power control makes smart results

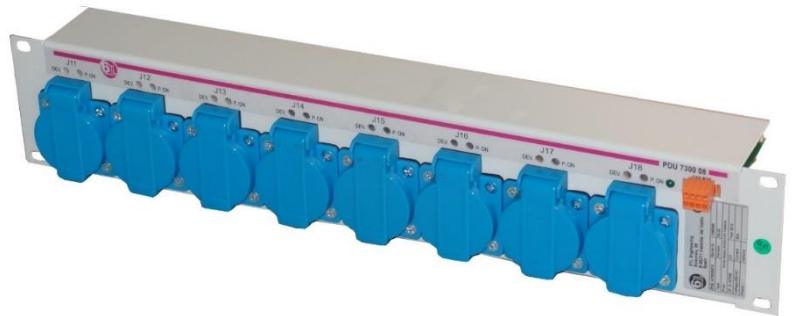
The control of the feeding of the apparatuses has a very relevant importance the greater the variety of possibilities of their use in successive batches of production. The advantages of connecting only the instruments necessary for a given test are important: It increases the useful life of the device, Reduces electrical consumption and the heating of the instrument rack.

In order to minimize the effects of current inrush on the simultaneous connection of the power supplies of the devices, the **7300.08 PDUs** have an automatic function that means that after a cut in the mains voltage, when the power supply returns, the devices they are connected in sequence, so that their inrush currents do not add up.

To ensure the repeatability of the results of an electronics test, the analogue circuits of the instruments require a thermal stabilization time, generally specified by the manufacturers.

This is another function included in PDUs specially designed for automatic test systems. By programming the time when production should start, the PDU starts preheating in advance, so that the test results obtained in the first unit do not differ from those that the same unit provides at the end of production.

With the 19" format and the minimum height of one unit, the **7300.08 PDUs** are supplied with plugs standardized for the vast majority of countries.



Features and benefits

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| <ul style="list-style-type: none"> • Selective power distribution to 8 standard plugs for different countries, with up to 600W per plug • CAN bus control of the start / stop of each socket • Sequential start after a power outage • Time programming for the early start of the devices before the start of the test (Pre-heating for thermal stabilization) • Visual indication of connected / disconnected status and the health of the load (plugged in and running of disconnected or with a blown fuse) | <ul style="list-style-type: none"> • Input bus for up to 70A with daisy chain power bus connectors • 19" 1U format • Selectable CAN bus address • LabView Virtual Operator Panel included |
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Features

Parameter At Te = 5 ... 65°C, unless otherwise specified	Symbol	Values			Unit
		Min	Typ.	Max.	
<i>Operating Parameters</i>					
Operating voltage	V _{IN}	90	-	265	V _{AC}
Maximum switched current per plug (At @230V _{AC})	I _{SWT}	-	-	3	A
Inrush current				30	A
Automatic start sequence interval time	T _{INT}		300		ms
<i>CAN communications and isolator</i>					
Transmission speed	Bits/s	50		250K	B/s
Isolator breaking voltage	V _{ISOL}			1.500	V

Application

- Test platforms (ATE) power distribution to instruments

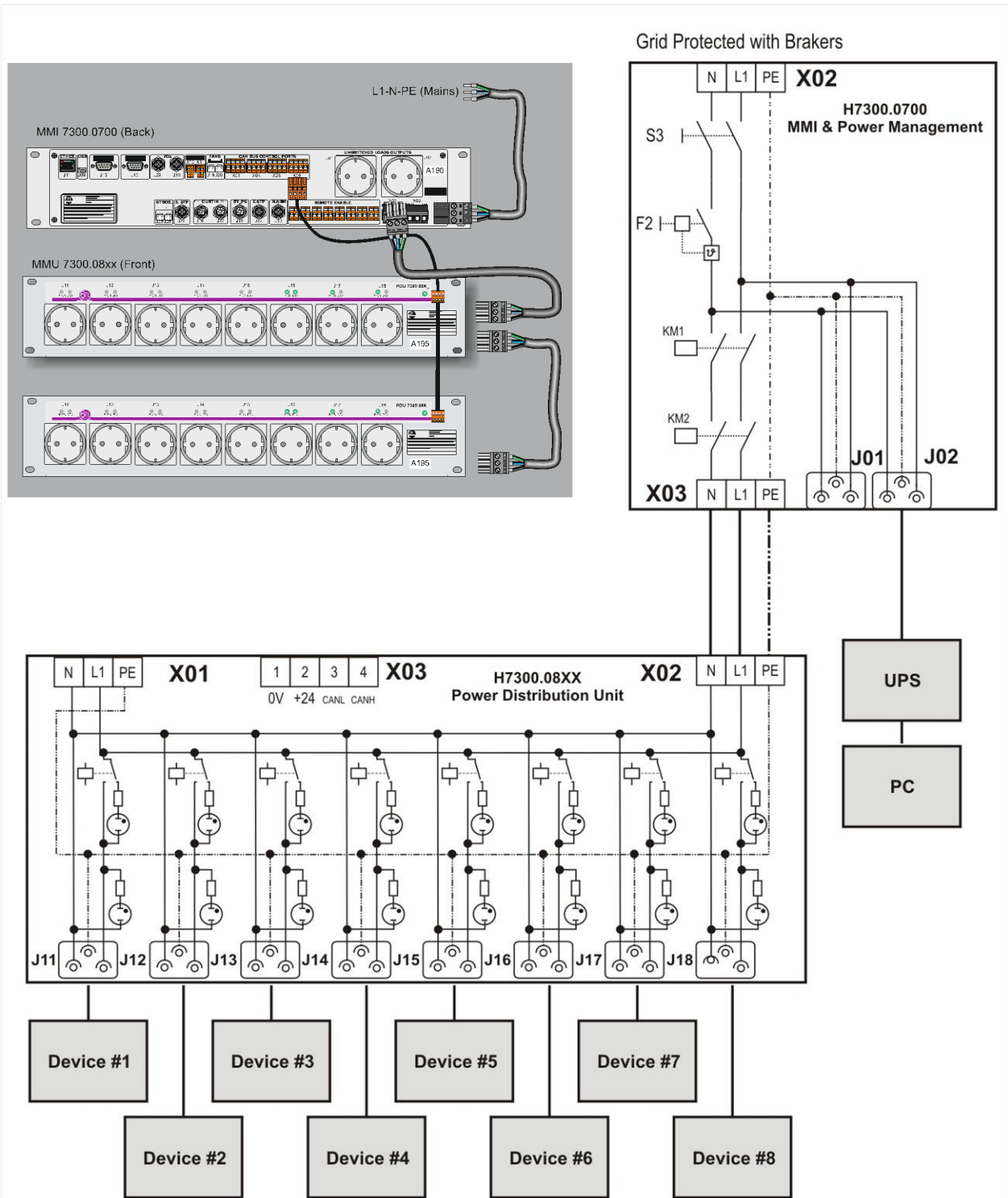
Order information

Part Number	Supply contents
H730008GU	PDU 19" 2U 5 socket Type G (UK)
H730008BS	PDU 19" 2U 8 socket Type B 15A 120VAC (US)
H730008CS	PDU 19" 2U 8 socket Type C13 8,3A 240VAC CEI
H730008FS	PDU 19" 2U 8 socket Type F 16A 240VAC Univers-Euro
H730008GS	PDU 19" 2U 8 socket Type G 13A 240VAC (UK)
H730008IS	PDU 19" 2U 8 socket Type I 10A 250V (AU/China)
H730008KS	PDU 19" 2U 8 socket Type K 10A 230VAC (Danish)

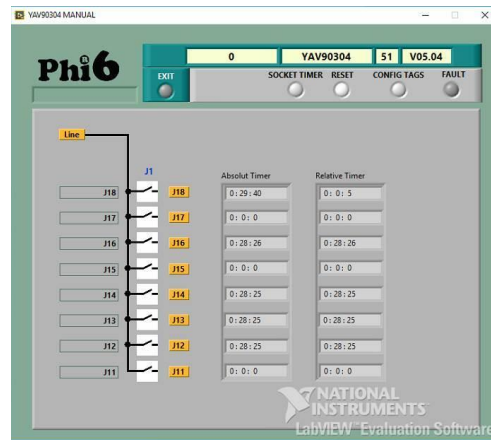
Spares and Related products

Part Number	Supply contents
H73000700	MMI CAN bus Power Management module. L1-N 15A
H73001000	MMI Power manag. module, L1-N 15A w/Safety Link
AK666	Power Extension Lead 7,5/7,5 1m00
AT764	Power Extension Lead 7,5/7,5 2m00
AK667	Power Extension Lead 7,5/7,5 3m00
AK668	Power Extension Lead 7,5/7,5 5m00
AK663	CAN Bus extension Lead 5,08/3,5 1m00
AT661	CAN Bus extension Lead 5,08/3,5 2m00 (Dual PDU Plug)
AK664	CAN Bus extension Lead 5,08/3,5 3m00
AK665	CAN Bus extension Lead 5,08/3,5 5m00

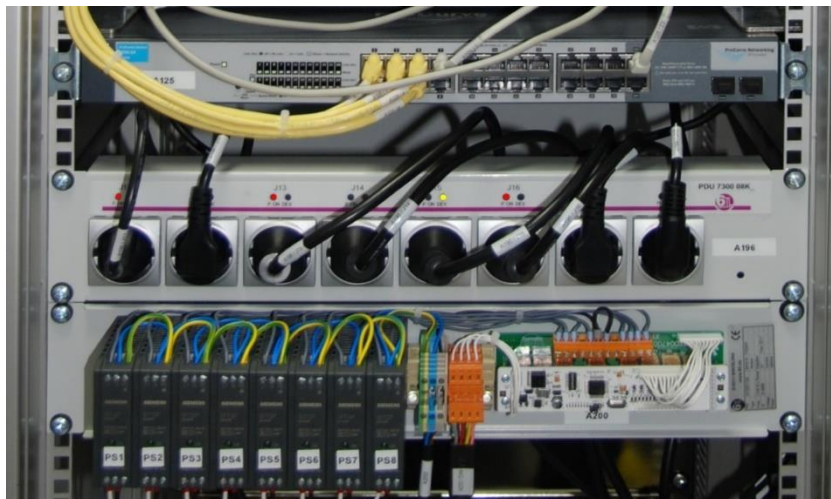
Electric Diagram



Operating Panel



Application example PDU 7300.08



Dimensions

19" 1U Deep < 150mm

