

Motor protection relays

DMPU series

Types	Main module	Measurement module (5A)	Measurement module (65A)	I/O module
				
Dimensions HxWxD (mm)	35.5 x 90 x 63.2	53.5 x 90 x 63.2	53.5 x 90 x 92	17.5 x 90 x 63.2
Features	Motor start/stop, reverse, start/delta, ANSI motor protection functions, remote control and management, warning, dataloggers	3-phase voltage and split-core current measurement	3-phase voltage and pass through current measurement	Connected to DMPUC-PRB or DMPUC-MTB adds 2 inputs and 2 outputs to the system. Up to 10 modules can be used
Technical specifications				
Power supply	24 VDC ±20%	24 VDC from the main module	24 VDC from the main module	24 VDC from the main module
Inputs	3, configurable as contact or temperature	3-phase voltage: 100 to 690 V 3-phase current: 5 A (for higher current use CTD currents transformers series)	3-phase voltage: 100 to 690 V 3-phase current: up to 65 A	2, configurable as contact or temperature
Outputs		2 x SPST relay	2 x SPST relay	2 x SPST relay
Communication	Profibus DPV1 (DMPUC-PRB), Modbus TCP/IP (DMPUC-MTB), Modbus RTU (all)	Via cable to the main module	Via cable to the main module	Plugged in to the main module
General specifications				
Operating temperature	-25°C to +55°C (-13°F to 131°F)	-25°C to +55°C (-13°F to 131°F)	-25°C to +55°C (-13°F to 131°F)	-25°C to +55°C (-13°F to 131°F)
Degree of protection	IP 20	IP 20	IP 20	IP 20
Mounting	DIN-rail	DIN-rail	DIN-rail	DIN-rail
Approvals	CE - cULus listed - C-TIC	CE - cULus listed - C-TIC	CE, cULus listed, C-TIC	CE - cULus listed - C-TIC
References				
	DMPUC-PRB DMPUC-MTB	DMPUC-05	DMPUC-65	DMPUC-R2

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Types	Operator interface	Earth leakage module	Core balance transformers	Programming software
				
Dimensions HxWxD (mm)	96 x 48 x 88.5	17.5 x 90 x 63.2	Hole Ø 35, 70, 120 or 210	
Features	Provides 2x8 characters lines display and 4 fully programmable keys	Connected to DMPUC-PRB or DMPUC-MTB adds direct earth leakage measurement and protection according to EN 60947-2. Ranges: 30 mA to 30 A	Core balance transformers for DMPUC-EL	Set parameters, program the control and monitoring functions of the system, monitor data, download dataloggers. Program operator interface pages and key functions
Technical specifications				
Power supply	24 VDC ±20%	24 VDC from the main module	None	
Inputs		Earth leakage, for transformers 250/1 to 1000/1, 3 as contact		Motor data, desired functions
Outputs		1 x SPST relay dedicated to earth leakage alarm		Configuration file, dataloggers in Excel format files
Communication	RS485 Modbus RTU ports	Plugged in to the main module		Using Modbus RTU or TCP/IP port of the main module
General specifications				
Operating temperature	-25°C to +60°C (-13°F to 140°F)	-25°C to +55°C (-13°F to 131°F)		
Degree of protection	Front: IP 65 Connections: IP 20	IP 20		
Mounting	Front panel	DIN-rail	Back panel	Windows XP, Windows Vista, Windows 7
Approvals	cULus listed	CE - cULus - C-TIC (with CTG)	CE - cULus - C-TIC (with DMPUC-EL)	
References				
	DMPUC-HMI	DMPUC-EL	CTG035 CTG070 CTG120 CTG210	DMPU-PS DMPU-PSHMI