



Version 20220224

Product Code				Description			
PMC-550J				LV Motor Protection and Control			
Language							
E				English			
Input Voltage							
6				400VLN/690VLL			
Power Supply							
A				95-250V AC/DC with 30 seconds of ride through for supply interruption			
System Frequency							
5				50Hz			
6				60Hz			
I/O (Default: DI=Self Excitation, DO1=Normally Closed, DO2-5=Normally Open)							
A				8xDI+5xDO			
B*				8xDI+4xDO+1xAO (AO with Internal 24VDC Power Supply)			
C*				6xDI+5xDO+1xAO (AO with Internal 24VDC Power Supply)			
Comm.							
A				1xRS-485 Port			
C*				1xPROFIBUS-DP Port (with Auxiliary Option X only)			
Auxiliary Function							
X				None (Comm. Option C only)			
A				I Residual Protection (with Comm. Option A only)			
B				Zero-Sequence Current Protection (with Comm. Option A only)			
DO2 Type							
A				Normally Open			
B				Normally Closed			

- * Additional charges apply
1. I Residual Protection and Zero-Sequence Current Protection are available with Comm. Option A only.
 2. I Residual Protection requires an external I Residual CT. Please refer to the MIR Current Transducers for more information.
 3. Zero-Sequence Current Protection requires an external Zero-sequence CT with 1A or 5A output. Please refer to the MIN Current Transducers for more information.
 4. Auxiliary Option X must be selected if Comm. Option C is selected.
 5. The Ordering Code "XW" is retained to for historical reasons where "X"=Support Motor Start Control, "W"=Support Motor Current Transducer (MTA) Connection



Version 20220218

Motor Current Transducer (MTA)

Product Code	Motor Power (380V system)	Phase Current	Inner Diameter (mm)	Cable Type	MTA Type
PMC-MTA-1A (1x3-Phase)	≤ 0.4kW	0.2 - 1.0A	10	1x3-P Cable	3-P Moulded Case
PMC-MTA-5A (1x3-Phase)	0.4 - 2.2kW	1.0 - 5.0A	10	1x3-P Cable	3-P Moulded Case
PMC-MTA-25A (1x3-Phase)	2.2 - 12.5kW	5.0 - 25.0A	20	1x3-P Cable	3-P Moulded Case
PMC-MTA-100A (1x3-Phase)	12.5 - 50kW	25.0 - 100.0A	30	1x3-P Cable	3-P Moulded Case
PMC-MTA-300A (1x3-Phase)	50.0 - 150kW	100.0 - 300.0A	30	1x3-P Cable	3-P Moulded Case
PMC-MTA-400A-T (3x1-Phase)	120 - 200kW	240.0 - 400.0A	55	3x1-P Cable	1-P Moulded Case
PMC-MTA-800A-T (3x1-Phase)	160 - 400kW	320.0 - 800.0A	75	3x1-P Cable	1-P Moulded Case

Current Transducers Accessories

Product Code	Application Range	Description
3-P MTA Special Cable	3-P Moulded Case MTA for PMC-550J	3-Phase MTA can be connected through this cable
1-P MTA Special Cable	1-P Moulded Case MTA for PMC-550J	3x1-Phase MTA can be connected through this cable

1. Additional charges are applied for Motor Current Transducers (MTA) and Cables.
2. The Motor Power above is based on 380V system. For other voltages, please apply an appropriate multiplier based on the actual system voltage (e.g. For a 415V rated motor, multiply the suggested figure by $415/380=1.092$).
3. The appropriate type and quantity of MTA Connection Cables must be ordered separately.
4. The default cable length is 2m, please contact CET for customized cable length.



Version 20200930

Motor Residual Current Transducer (MIR) - For Cable

Product Code	Motor Power (380V system)	Phase Current	Inner Diameter (mm)
PMC-MIR-35	0.55 - 7.5kW	0 - 63A	35
PMC-MIR-50	7.5 - 22kW	63 - 125A	50
PMC-MIR-75	22 - 150kW	125 - 250A	75
PMC-MIR-120	>150kW	250 - 1000A	120

Motor Residual Current Transducer (MIR) - For Busbar

Product Code	Inner Diameter (mm)	External Dimension (mm)
PMC-MIR-265*103	265×103	308×227×63

1. Additional charges are applied for Motor Residual Current Transducers (MIR) and Cables.
2. The Connection Cables are included with the MIR.
3. The standard cable length for both "Cable" and "Busbar" type MIR is 4m. Please contact CET for custom cable length.
4. The above Motor Power is based on 380V system. For other voltage systems, please apply an appropriate multiplier based on the actual system voltage (e.g. For a 415V rated motor, multiply the suggested figure by $415/380=1.092$).



Version 20200930

Motor Zero Sequence Current Transducer (MIN)

Product Code	Motor Power	Secondary Rating	Inner Diameter (mm)
PMC-MIN-1A	All	1A	35
PMC-MIN-5A	All	5A	35

1. Additional charges are applied for Zero Sequence Current Transducers (MIN) and Cables.
2. The primary rating of these Zero Sequence CT is either 5A or 1A while the secondary rating is 1V. The PMC-MIN is designed to work with standard Zero Sequence CT with ratings such as 200A/5A or 200A/1A. The secondary output of standard Zero Sequence CT should be fed through the PMC-MIN to produce the desired voltage output for the PMC-550J.