

This document must be retained for future reference.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation. All connections should also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



CON254P7MC, CON404P7MC, CON604P7MC

IP54 230V 4P+N STEEL CONTACTOR

	CON254P7MC	CON404P7MC	CON604P7MC
Maximum switching current AC1	25A	40A	60A
Maximum switching current AC3	12A	25A	40A
Maximum standard power rating 415V AC3	5.5kW	11kW	22kW
Maximum rated voltage	690V		
Standard	EN 60947-4-1		
Maximum operating rate cycles per hour	3,600		
Coil Voltage	230V AC 50/60 Hz		
Coil Voltage Tolerance	-15%/+10%		
Coil consumption Inrush	60VA	100VA	245VA
Coil consumption sealed	8VA	8.5VA	26VA
Mechanical Life- number of operations in millions	15	12	6
Maximum cable size for power contacts	4mm ²	10mm ²	16mm ²

Power terminals capacities

Flexible Cable	1 Cable	1-4mm ²	1.5-10mm ²	2.5-16mm ²
	2 Cables		1.5-6mm ²	
Flexible Cable with Ferrule	1 Cable	1-2.5mm ²	1-6mm ²	2.5-10mm ²
	2 Cables		1-4mm ²	
Solid Cable	1 Cable	1-4mm ²	1.5-6mm ²	2.5-16mm ²
	2 Cables			
Recommended tightening torque		1.2Nm	1.8Nm	5Nm

Coil and auxiliary terminal capacities

Flexible Cable	1 Cable	1-4mm ²
	2 Cables	
Flexible Cable with Ferrule	1 Cable	1-4mm ²
	2 Cables	1-2.5mm ²
Solid Cable	1 cable	1-4mm ²
	2 Cables	
Recommended tightening torque		1.2Nm

Replacement Parts

Contactor	TC1-D12004P7	TC1-D25004P7	TC1-D4004P7
230V AC coil	TX1D2P7	TX1D4P7	TX1D6P7
1N/O + 1N/C Auxiliary block	TA8-DN11		TA1-DN11

Contactor Heating Guides

The combinations suggested below are given for an ambient temperature of 55°C and for the powers at the rated voltage.

Maximum Power (kW)				Single Phase 2 Pole Switching
Product	230V	415V	690V	
CON254P7MC	4	7	12	
CON404P7MC	6	11	19	
CON604P7MC	11	19	33	
Maximum Power (kW)				Single Phase 4 Pole Switching
Product	230V	415V	690V	
CON254P7MC	6	11	19	
CON404P7MC	10	17.5	30.5	
CON604P7MC	17.5	30	53	
Maximum Power (kW)				3 Phase Switching
Product	230V	415V	690V	
CON254P7MC	6	11	20.5	
CON404P7MC	11	19	33	
CON604P7MC	19	32	57	

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