

3 Pole Power Contactors



		MNX 9	MNX 12	MNX 18	MNX 22	MNX 25
Catalogue No.		CS 94106 / 7*	CS 94108 / 9*	CS 94100 / 1*	CS 94980 / 81*	CS 94110
Conformance to standards						
Power Contacts						
No. of poles		3	3	3	3	3
Rated insulation voltage, U_i		690V	690V	690V	690V	690V
Rated impulse withstand voltage, U_i		8 kV	8 kV	8 kV	8kV	8 kV
Rated making capacity - Amp		450	450	450	450	480
Rated breaking capacity - Amp		200	250	250	250	400
Conventional thermal current, I_{th} At 55°C	Utilization category AC-1	25A	30A	30A	32A	45A
	Utilization category AC-2	9A	12A	18A	22A	25A
Motor duty : 3Ø, 415V, 50Hz	Utilization category AC-3	4kW / 5.5hp / 9A	5.5kW / 7.5hp / 12A	9.3kW / 12.5hp / 18A	11kW / 15hp / 22A	11kW / 15hp / 25A
	Utilization category AC-4	4kW / 5.5hp / 9A	5.5kW / 7.5hp / 12A	9.3kW / 12.5hp / 18A	11kW / 15hp / 22A	11kW / 15hp / 25A
Operational current I_p for AC-4 Utilization category at 415V,3Ø, 50Hz for 2,00,000 operating cycles		5.5A	7.1A	8A	8.5A	13.5A
Capacitor switching delta connected: 415V, 50Hz ***		6 kVAR	7.5 kVAR	9 kVAR	9 kVAR	15 kVAR
Max. Permissible peak in-rush current, I_p for capacitor switching		570A	680A	750A	750A	1400A
DC ratings (with 3 poles in series) and AC coil operation	DC 1 - 110V	9A	12A	18A	22A	25A
	DC 1 - 220V	9A	12A	18A	22A	25A
	DC 3 - 110V	9A	12A	18A	22A	25A
	DC 3 - 220V	9A	12A	18A	22A	25A
	DC 5 - 110V	9A	12A	18A	22A	25A
	DC 5 - 220V	6A	7.5A	9A	9A	12A
Mechanical life, No. of operating cycles		15x10 ⁶	15x10 ⁶	15x10 ⁶	15x10 ⁶	10x10 ⁶
Max. frequency of operations: Operating cycles/hr	Mechanical	7200	7200	7200	7200	7200
	Utilization Category AC-1	3000	3000	3000	3000	3000
	Utilization Category AC-2	750	750	750	750	750
	Utilization Category AC-3	750	750	750	750	750
	Utilization Category AC-4	300	300	300	300	300
Service Temperature		-20°C to +55°C	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Main terminal capacity	Lug (mm ²)	1 x 6	1 x 6	1 x 6	1 x 6	1x10
	Link (mm ²)	-	-	-	-	-
	Solid Conductors (mm ²)	2 x 4	2 x 4	2 x 4	2 x 4	2 x 6
	Multi strand conductors (mm ²)	2 x 2.5	2 x 2.5	2 x 2.5	2 x 2.5	2 x 4
Auxiliary Contacts						
No. of built-in auxiliary contacts		1NO or 1NC	1NO or 1NC	1NO or 1NC	NO or NC	#
Conventional thermal current, I_{th} at 55°C		10A	10A	10A	10A	10A
AC-15 rating at 415V, 50Hz		4A	4A	4A	4A	4A
Terminal capacity (Solid or multi strand conductors (mm ²))		2 x 2.5	2 x 2.5	2 x 2.5	2 x 2.5	2 x 2.5
Coil						
Voltage available for 50 Hz U_c V		24, 42, 110, 220 / 240, 415, 525	24, 42, 110, 220 / 240, 415, 525	24, 42, 110, 220 / 240, 415, 525	24,42,110, 220/240,415,525	24, 42, 110, 220 / 240, 415, 525
Pick-up	VA	68	68	68	68	68
	CosØ	0.82	0.82	0.82	0.82	0.82
Hold-on	VA	11	11	11	11	11
	Watts	4	4	4	4	4
Limits of operation	Pick-up (% U_c)	65 - 120	65 - 120	65 - 120	65 - 120	65 - 120
	Drop-off(% U_c)	35 - 65	35 - 65	35 - 65	35 - 65	35 - 65

* With 1NC Auxiliary Contacts

** Data Available on request

*** For Capacitor Switching, please connect inductor in series

Add - On block can be ordered separately

• 60Hz & 50/60HZ Coils available on request.

