

## CI-tronic™ Motor Contactors MCI DOL



- Ideal for motor control where rapid switching is required
- Allows unlimited switching
- As easy to select and fit as an electromechanical contactor
- Direct on-line starting
- Universal control voltage 24 to 480 V ac/24 to 60 V dc
- Line voltage 24 – 480 V ac
- Meets IEC/EN 60947-4-2

*Danfoss*

**New**

- Part of the MCS compact, modular design concept
- Short circuit and overload protection
- Clear on-off-tripped status indication
- Type 2 co-ordination without contactor oversizing
- No current limiter required
- Front and/or side mounted trip/auxiliary contacts
- Up to 6 auxiliary contacts
- Maximum breaking capacity 100kA at 400/415V
- Full compliance with IEC 947-1/2/4
- Unique front mounted combination trip/auxiliary block
- Adjustable thermal release
- Fixed magnetic release 13 x le max
- Trip Class 10
- Ambient temperature compensation
- Phase failure protection
- Door interlocking facility

Type	Motor Power max	Motor Current max (400V)	Module Width	Mftrs. List No.
MCI 15 DOL	7.5 kW	15A	45mm	037N0055

Type	Mftrs. List No.	Order Code	Price Each		
			1+	5+	10+
MCI 15 DOL	037N0055	347-8415			

## Suppressors



178-704  
H = 14, W = 27, D = 20

178-705  
H = 24, W = 75, D = 45

Two suppression circuits for connection to most types of contactors to reduce electrical interference caused by energisation and de-energisation. One version is mounted on symmetric 35 7.5mm DIN rail and provides a similar mounting for the contactor above it, the other version has a self adhesive pad and cable tie to mount on the contactor body or cable.

The circuits are connected in parallel with the contactor coil.

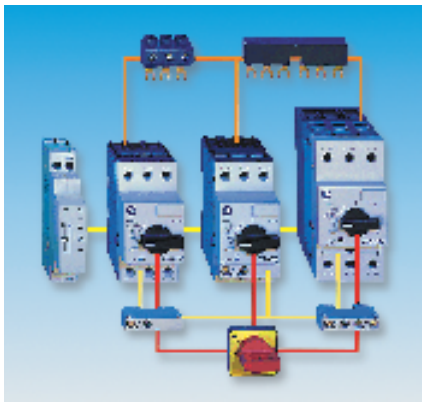
Contactor coil operating voltages 110V to 240V ac. Connection lead length 140mm min. CTL099

Mounting	Order Code	1+	Price Each		
			10+	25+	50+
Self adhesive & tie	178-704				
DIN rail	178-705				

## Circuit Breakers/Motor Starters

### Motor Protection Circuit Breakers 140M-Series

**Rockwell Automation**



These breakers are designed to be used in conjunction with the 100-C contactor series, up to 45 Amps, providing type 2 co-ordination without oversizing of the contactor, resulting in smaller, more compact starters.

The 140M range can be fitted with a number of accessories including auxiliary/trip contacts, front and side mounted and a door handle with interlocking facility providing ON-OFF-TRIPPED indication

**New**

### Standard Performance

Order Code	Magnetic Release	Rating	kA Icu
351-4950	2.1A	0.02kW	100
351-4961	3.3A	0.04kW	100
351-4973	5.2A	0.09kW	100
351-4985	8.2A	0.12/0.18kW	100
351-4997	13A	0.25kW	100
351-5000	21A	0.37/0.55kW	100
351-5011	33A	0.75kW	100
351-5023	52A	1.1/1.5kW	100
351-5035	82A	2.2kW	100
351-5047	130A	3.0/4.0kW	100
351-5059	208A	5.5/7.5kW	50
351-5060	260A	10kW	15
351-5072	325A	11kW	15

### High Performance

Product Code	Magnetic Release	Rating	kA Icu
351-5084	33A	0.55/0.75kW	100
351-5096	52A	1.1/1.5kW	100
351-5102	82A	2.2/2.5kW	100
351-5114	130A	3.0/5.5kW	100
351-5126	208A	5.5/7.5kW	100
351-5138	260A	7.5/10.0kW	50
351-5140	325A	11/12.5kW	50
351-5151	416A	15.0kW	50
351-5163	586A	18.5/22kW	50

### Standard motors AC-3 at 400/415V 1500 rpm

[kW]	[A]	Circuit Breaker Order Code	Thermal overload release Setting range [A]	Contactor Cat. No.
0.06	0.23	351-4961	0.16...0.25	100-C09
0.09	0.32	351-4973	0.25...0.40	100-C09
0.12	0.41	351-4985	0.40...0.63	100-C09
0.18	0.59	351-4985	0.40...0.63	100-C09
0.25	0.77	351-4997	0.63...1.0	100-C09
0.37	1.1	351-5000	1.0...1.6	100-C09
0.55	1.5	351-5000	1.0...1.6	100-C09
0.75	1.9	351-5011	1.6...2.5	100-C09
1.1	2.6	351-5023	2.5...4.0	100-C09
1.5	3.4	351-5023	2.5...4.0	100-C09
2.2	4.8	351-5035	4.0...6.3	100-C09
3.0	6.3	351-5047	6.3...10.0	100-C09
4.0	8.2	351-5047	6.3...10.0	100-C09
5.5	10.9	351-5059	10.0...16.0	100-C12
7.5	14.7	351-5059	10.0...16.0	100-C16
11.0	21.0	351-5140	18.0...25.0	100-C23
15.0	27.9	351-5151	23.0...32.0	100-C30
18.5	34.4	351-5163	32.0...45.0	100-C37
22.0	39.6	351-5163	32.0...45.0	100-C43

PRO562

Size	Order Code	Price Each	
		1+	5+
<b>Size 1</b>			
0.1 to 0.16A	351-4950		
0.16 to 0.25A	351-4961		
0.25 to 0.4A	351-4973		
0.4 to 0.63A	351-4985		
0.63 to 1.0A	351-4997		
1.0 to 1.6A	351-5000		
1.6 to 2.5A	351-5011		
2.5 to 4.0A	351-5023		
4.0 to 6.3A	351-5035		
6.3 to 10A	351-5047		
10 to 16A	351-5059		
14.5 to 20A	351-5060		
18 to 25A	351-5072		
<b>Size 2</b>			
1.6 to 2.5A	351-5084		
2.5 to 4.0A	351-5096		
4.0 to 6.3A	351-5102		
6.3 to 10A	351-5114		
10 to 16A	351-5126		
14.5 to 20A	351-5138		
18 to 25A	351-5140		
<b>Size 3</b>			
23 to 32A	351-5151		
32 to 45A	351-5163		

continued