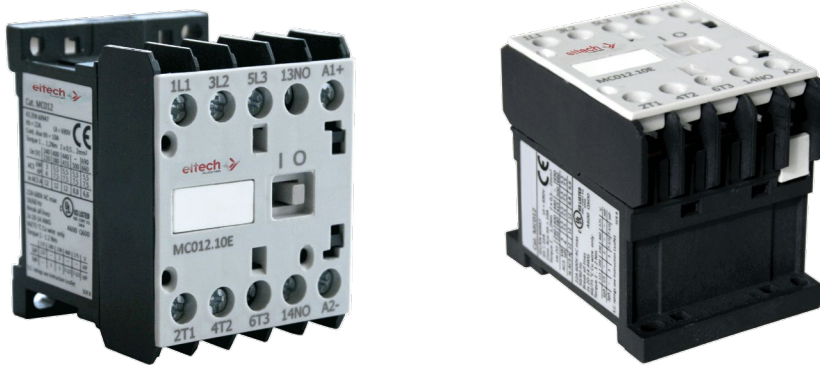


## AC Contactors - Mini Size

### Features

- Non-reversing mini contactors
- 1 Frame size up to 16A
- DIN Rail Mount
- 4 Pole Control Relay with N/O or N/C Contacts
- Front mounted auxiliary contacts can be installed directly on top of the single front mounted mechanical interlock
- IP20 Guarded
- AC Coil Voltage 50/60Hz

### Product Images



### Product Details

#### 24VAC

Part No.	V	A	Detail
COM09NO24	24	9	1 x N/O
COM09NC24	24	9	1 x N/C
COM12NO24	24	12	1 x N/O
COM12NC24	24	12	1 x N/C
COM16NO24	24	16	1 x N/O
COM16NC24	24	16	1 x N/C

#### 230VAC

Part No.	V	A	Detail
COM09NO230	230	9	1 x N/O
COM09NC230	230	9	1 x N/C
COM12NO230	230	12	1 x N/O
COM12NC230	230	12	1 x N/C
COM16NO230	230	16	1 x N/O
COM16NC230	230	16	1 x N/C

**Technical Specifications**

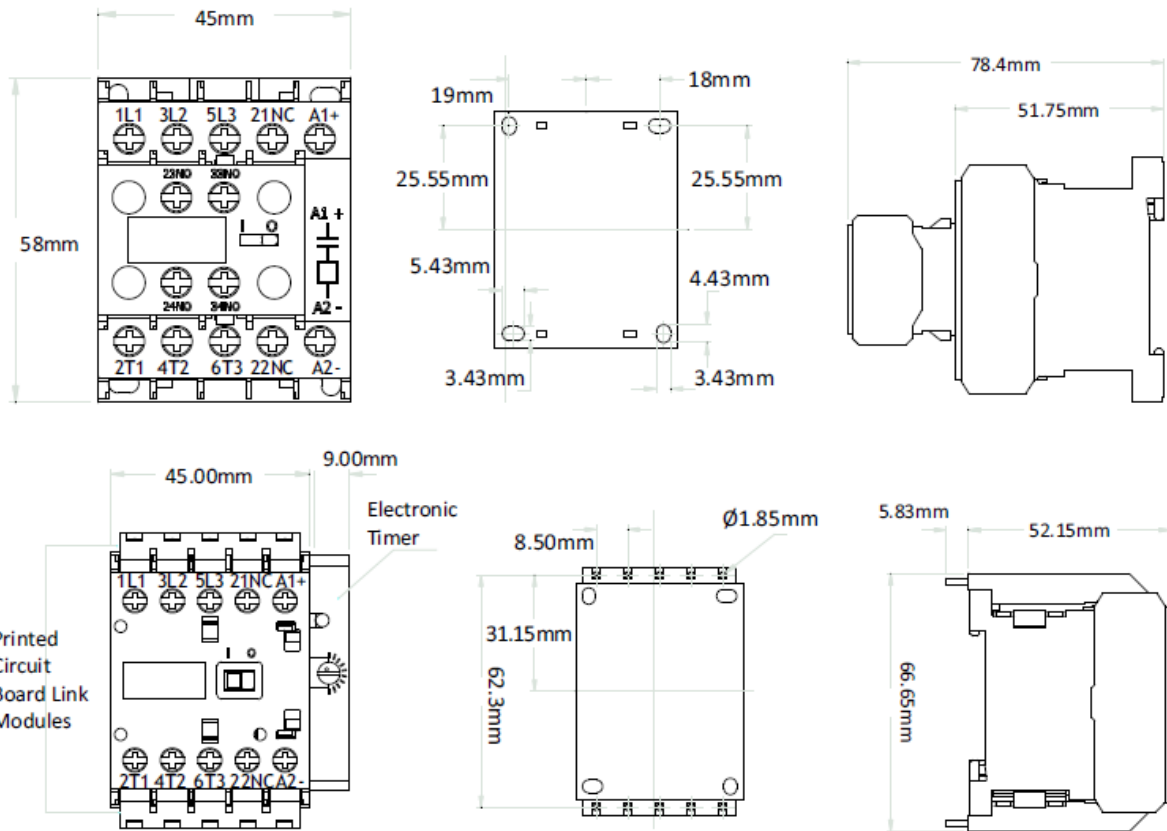
		COM09	COM12	COM16
<b>Rated Operating Frequency</b>		AC: 50Hz, 60Hz, 50/60Hz		
<b>IEC RATINGS</b>				
<b>Rated Insulation Voltage, Ui</b>	V		690	
<b>Rated Impulse Voltage withstand, Uimp</b>	kV		4	
<b>Rated Operating Voltage, Ue</b>	V		690	
<b>Rated Thermal Current, Ith for Ambient Temperature &lt; 55C</b>	A	20	22	22
<b>Making Capacity</b>	A	90	120	160
<b>Breaking Capacity</b>				
<b>Ue &lt; 400V</b>	A	72	96	128
<b>Ue = 500V</b>	A	72	96	128
<b>Ue = 690V</b>	A	54	72	96
<b>AC - 1 Operating Current, Ie</b>				
<b>At 55°C</b>		20.0	22.0	22.0
<b>At 70°C</b>		16.0	17.6	17.6
<b>AC - 3 Operating Current, Ie</b>				
<b>220 – 240V</b>	A	9.0	12.0	16.0
<b>380 ~ 400V</b>	A	9.0	12.0	16.0
<b>415 ~ 440V</b>	A	9.0	12.0	16.0
<b>500V</b>	A	7.5	8.8	13.0
<b>660 ~ 690V</b>	A	6.0	6.6	9.7
<b>AC - 3 Operating Power, Pe</b>				
<b>220 – 240V</b>	KW	2.2	3.0	4.5
<b>380 ~ 400V</b>	KW	4.0	5.5	7.5
<b>415 ~ 440V</b>	KW	4.5	5.5	7.5
<b>500V</b>	KW	4.5	5.5	7.5
<b>660 ~ 690V</b>	KW	4.5	5.5	7.5
<b>AC - 4 Operating Current, Ie</b>				
<b>220 ~ 240V</b>	A	7.5	10.0	13.3
<b>380 ~ 400V</b>	A	7.5	10.0	13.3
<b>415 ~ 440V</b>	A	7.5	10.0	13.3
<b>500V</b>	A	6.3	7.3	10.8
<b>660 ~ 690V</b>	A	5.0	5.5	8.1
<b>AC - 4 Operating Power, Pe</b>				
<b>220 – 240V</b>	KW	1.5	2.2	3.0
<b>380 ~ 400V</b>	KW	3.0	4.0	5.5
<b>415 ~ 440V</b>	KW	3.0	4.0	5.5
<b>500V</b>	KW	3.0	4.0	5.5
<b>660 ~ 690V</b>	KW	4.0	4.0	5.5
<b>AC - 4 Operating Current, Ie @ 200,000 Operations</b>				
<b>220 – 240V</b>	A	2.7	3.6	4.8
<b>380 – 400V</b>	A	2.7	3.6	4.8
<b>415 – 440V</b>	A	2.7	3.6	4.8
<b>500V</b>	A	2.3	2.7	3.9
<b>660 – 690V</b>	A	1.8	2.0	2.9

**Technical Specifications cont...**

	Units	COM09	COM12	COM16
<b>AC - 4 Operating Power, Pe 200,000 Operations</b>				
220 ~ 240V	KW	0.55	0.75	1.1
380 ~ 400V	KW	1.1	1.5	1.5
415 ~ 440V				
500V	KW	1.1	1.1	2.2
660 ~ 690V	KW	1.1	1.1	2.2
<b>Maximum Electrical Switching Rate</b>				
AC - 1	Ops./Hr.	300		
AC - 3	Ops./Hr.	600		
Ac - 4	Ops./Hr.	300		
<b>Electrical Endurance, AC-3 at Maximum Rated 3 Phase Operating Power (@400V)</b>	Ops. (mill.)	1.3	1.2	1.1
<b>Short Circuit Coordination</b>				
	KA	5		
Type "1" gL/gG	A	35	35	35
Type "2" gL/gG	A	20	25	25

<b>UL Ratings</b>	unit	COM09	COM12	COM16
General Purpose Current Rating	A	20	22	22
<b>Rated 1 Phase Operating Current, Ie</b>				
115V	A	7.2	9.8	16.0
230V	A	8.0	12.0	12.0
<b>Rated 1 Phase Operating Power, Pe</b>				
115V	Hp	1/3	1/2	1
230V	Hp	1	2	2
<b>Rated 3 Phase Operating Current, Ie</b>				
200V	A	7.8	11.0	11.0
230V	A	6.8	9.6	9.6
460V	A	7.6	11.0	14.0
575V	A	9.0	9.0	11.0
<b>Rated 3 Phase Operating Power, Pe</b>				
200V	Hp	2	3	3
230V	Hp	3	3	5
460V	Hp	5	7 1/2	10.0
575V	Hp	7 1/2	7 1/2	10
<b>SCCR</b>				
Standard Fault (5KA) Fuse Size	A	30	30	40
High Fault (100KA) Fuse Size	A	15	20	25
<b>Electrical Endurance</b>				
@ Maximum Rated 3 Phase Operating Power (400V)	Ops.(mill.)	1.3	1.2	1.1
<b>Coil Characteristics</b>				
Rated Insulation Voltage, Ui	V	690		
<b>Operating Limits</b>				
50Hz, 60Hz, 50/60Hz				
Operating	xUc	0.8 ~ 1.1		
Pick-Up	xUc	0.40 ~ 0.76		
Sealed	xUc	0.25 ~ 0.65		
<b>Coil Consumption</b>				
50Hz, 60Hz, 50/60Hz				
Pick-Up	W	16		
Hold-In	W	2 ~ 4		
<b>Operating Times</b>				
AC				
Pick-Up	msec.	8 - 20		
Drop-Out	msec.	6 - 13		
<b>Power Dissipation</b>				
50Hz, 60Hz, 50/60Hz	W	3		
<b>Power Factor</b>				
	cos	0.27		
Closed	cos	0.8		
Open				
<b>Mechanical</b>				
Mechanical Endurance		10		
	Ops.(mill.)			
Maximum Mechanical Switching Rate	Ops./Hr.	2000		
<b>Environmental</b>				
Ambient Operating Temperature		-25 to +55°C (-13 to +131°F)		
Ambient Storage Temperature		-55 to +80°C (-67 to +176°F)		
<b>Construction</b>				
<b>Ingress Protection</b>				
Main Circuits			IP20	
Control Circuit Terminations			IP20	
Weight	Kg.		0.18	
	lbs.		0.4	
<b>Terminal Capacity</b>				
AWG Wire	AWG		2 X 20 ~ 14	
Solid	mm <sup>2</sup>		1 X 0.5 ~ 2.0	
Stranded	mm <sup>2</sup>		1 X 0.5 ~ 2.0	
Tightening Torque	Nm		1 ~ 1.2	
	lb*in		8.8 ~ 10.6	

**Dimensions**



Subject to change without notice