

# niglon Control & Automation

## MOTOR CONTROL GEAR

### LARGE CONTACTOR

### 100A 3 POLE AC/DC COIL

### 3LC100



**3 pole contactors are for the control of electric motors, and have auxiliary contacts fitted. Direct mounting. Complete with 110/240V AC/DC coil**

#### General Characteristics

Standards	IEC 60947-4, UL-508
AC-3 Rated Load	105A
AC-3 Rated Power @ 415V	55kW
Rated Operational Voltage (Ue)	≥ 690V
Main Contact Configuration	3 Pole NO
Auxilliary Contacts	2NO + 2NC
Maximum Operation Frequency	1200 per hour
Mechanical Endurance	5 000 000 ops
Electrical Endurance	1 000 000 ops
Width	100mm
Height	166mm
Depth	147mm
Terminal Bolt	M8
Tightening Torque	9 Nm
Weight	2.5 Kg

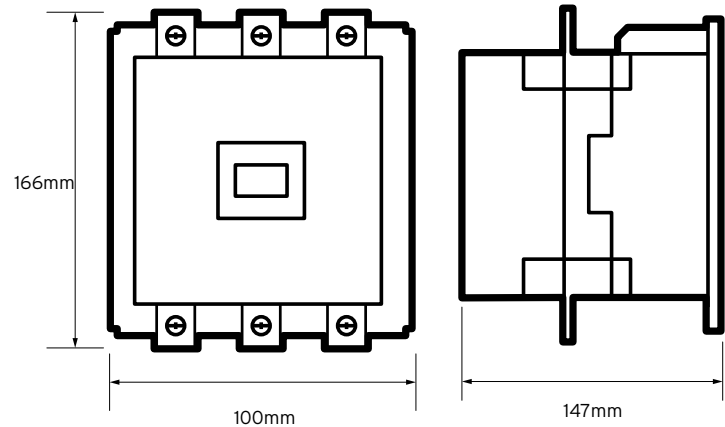
#### Coil Characteristics

Coil Voltage Range	100/240 V AC/DC
Inrush Current @ 230VAC	298 VA
Sealed Current @ 230VAC	12.3 VA
Pull-in Voltage	80 - 110 %
Thermal Dissipation	4.4 W
Closing time	30 - 34 ms

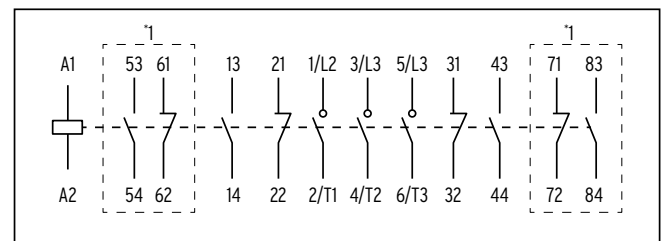
#### Available Accessories

AUX0/2FM	Auxilliary Contact 2NC
AUX1/1FM	Auxilliary Contact 1NO/INC
AUX0/4FM	Auxilliary Contact 4NC
AUX1/3FM	Auxilliary Contact 1NO/3NC
AUX2/2FM	Auxilliary Contact 2NO/2NC
AUX3/1FM	Auxilliary Contact 3NO/1NC
AUX4/0FM	Auxilliary Contact 4NO

#### Technical Drawing



#### Wiring Diagram



#### Additional Information

This product is for use by skilled persons or instructed persons. The installation of this product must comply with current IEE regulations. Terminals, including those factory fitted, must be checked for correct tightness before commissioning. All terminals should be periodically checked for correct tightness. The data herein serves only to describe the product and should not be regarded as representing guaranteed properties in the legal sense. We reserve the rights of modification, whilst every care has been taken in ensuring the accuracy of this catalogue, the Supplier accepts no liability whatsoever for any eventuality arising from errors or omissions within its catalogues, brochures or within any online presence.