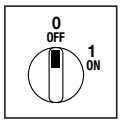
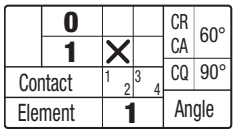
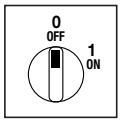
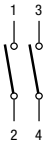
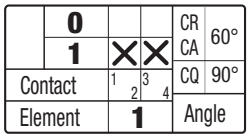
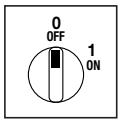
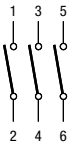
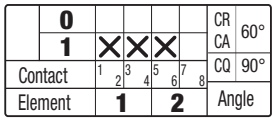
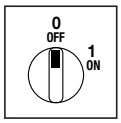
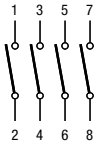
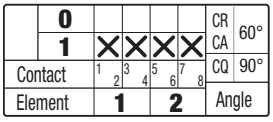
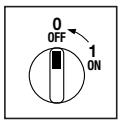
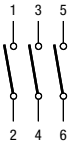
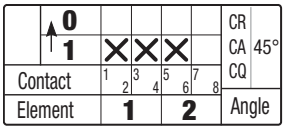
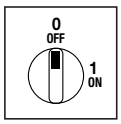
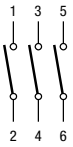
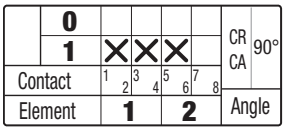
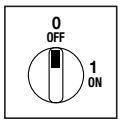
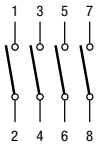
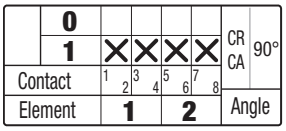
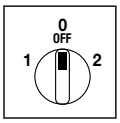
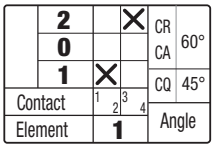
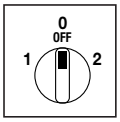
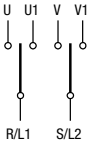
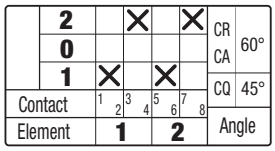
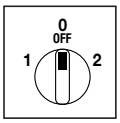
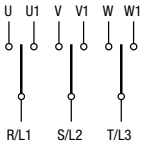
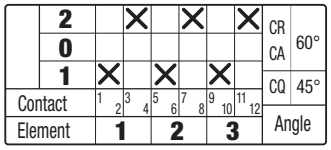
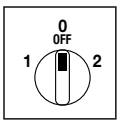
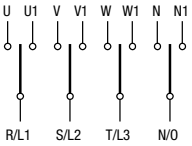
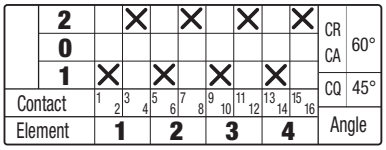
Circuit diagrams

Switches

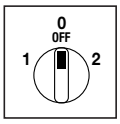
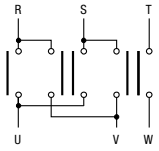
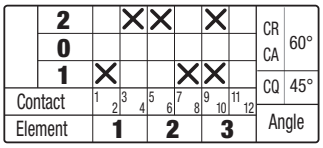
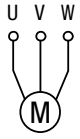
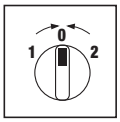
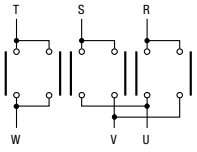
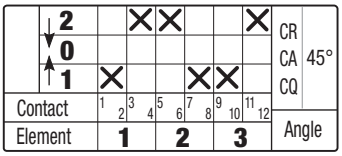
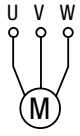
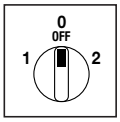
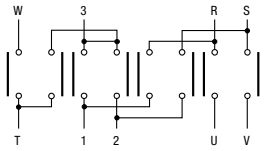
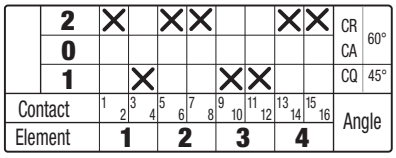
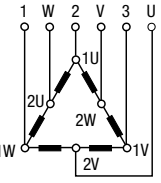
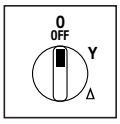
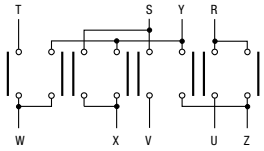
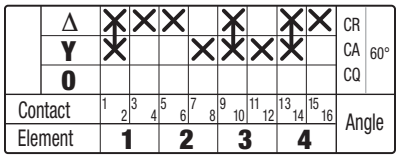
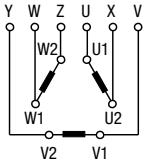
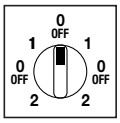
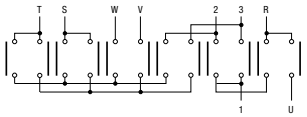
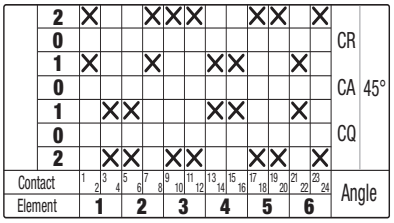
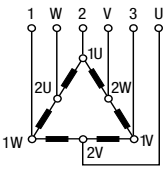
plate	diagram	function	circuit diagram	contact/element description	element no.
	**0001**	ON-OFF switch 1 pole			**1**
	**0002**	ON-OFF switch 2 pole			**1**
	**0003**	ON-OFF switch 3 pole			**2**
	**0004**	ON-OFF switch 4 pole			**2**
	**0035**	ON-OFF switch 3 pole with spring return to “OFF"			**2**
	**00G3**	ON-OFF switch 3 pole with padlockable handle			**2**
	**00G4**	ON-OFF switch 4 pole with padlockable handle			**2**

Circuit diagrams

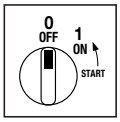
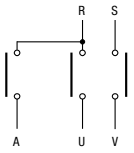
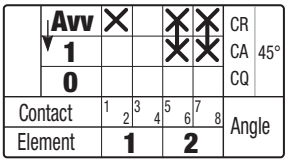
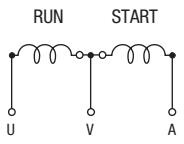
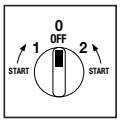
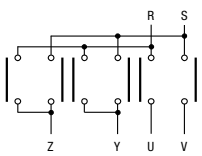
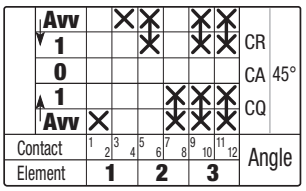
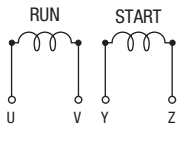
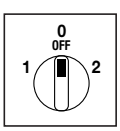
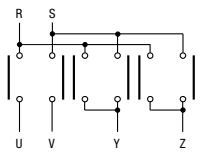
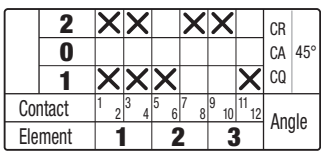
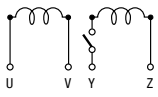
Switches

plate	diagram	function	circuit diagram	contact/element description	element no.
	**0005**	Change-over switch 1 pole			**1**
	**0006**	Change-over switch 2 pole			**2**
	**0007**	Change-over switch 3 pole			**3**
	**0039**	Change-over switch 4 pole			**4**

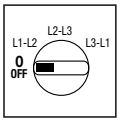
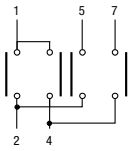
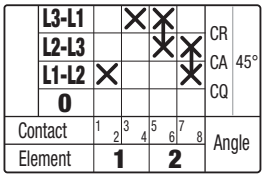
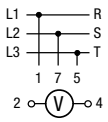
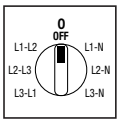
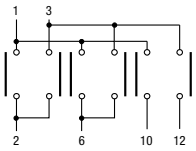
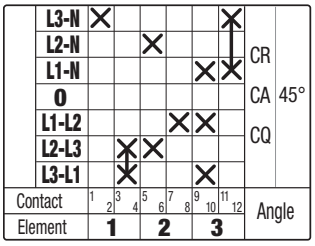
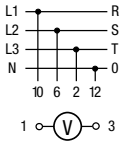
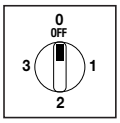
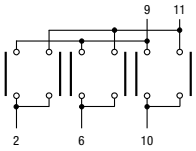
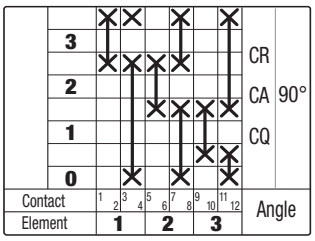
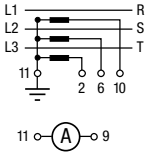
Motor control switches 3 phase

plate	diagram	function	circuit diagram	contact/element description		element no.
	**0008**	Reversing switch 3 pole				**3**
	**0036**	Reversing switch 3 pole with spring return to “off”				**3**
	**0009**	Changing switch Dahlander pole				**4**
	**0010**	STAR-DELTA Starter				**4**
	**0011**	Reversing switch Pole changing				**6**

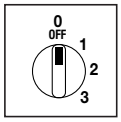
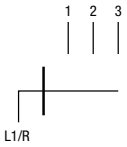
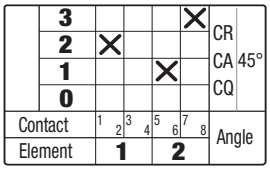
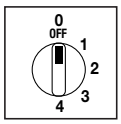
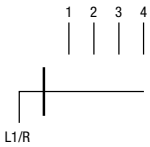
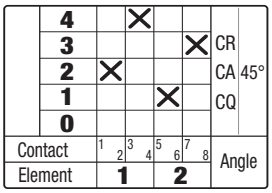
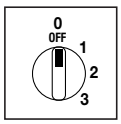
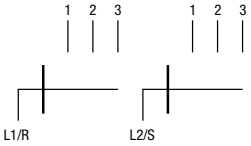
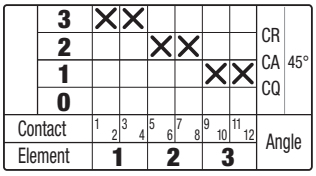
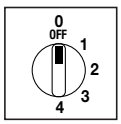
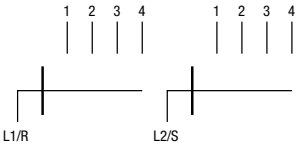
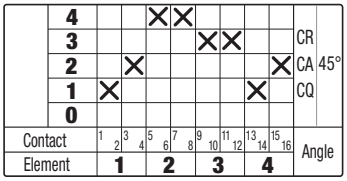
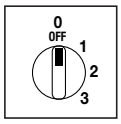
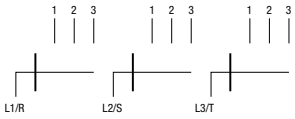
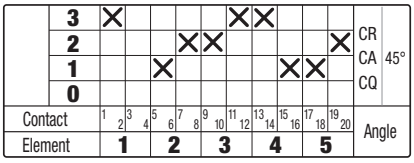
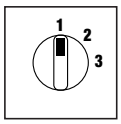
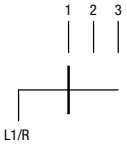
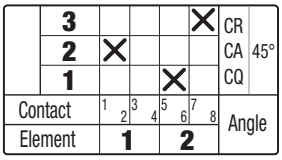
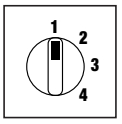
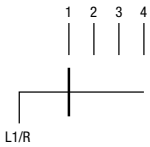
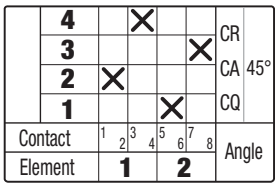
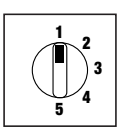
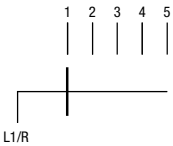
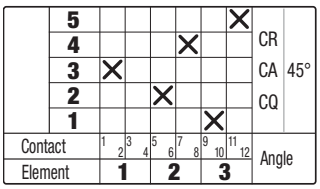
Motor control switches single phase

plate	diagram	function	circuit diagram	contact/element description		element no.
	**0031**	Switch single-phase motor + aux phase				**2**
	**0032**	Reversing Switch single-phase motor + aux phase				**3**
	**0034**	Reversing Switch single-phase motor + centrif.				**3**

Voltmeter & Ammeter switches

plate	diagram	function	circuit diagram	contact/element description		element no.
	**0016**	Voltmeter switch 3 concatenated voltages				**2**
	**0018**	Voltmeter switch 3 concatenated voltages and 3 phase voltages				**3**
	**0022**	Ammeter switch 1 pole 3 current transformers				**3**

Multi-step change-over switches

plate	diagram	function	circuit diagram	contact/element description	element no.
	**MZ13**	Multi step switch with OFF 1 pole 3 steps			**2**
	**MZ14**	Multi step switch with OFF 1 pole 4 steps			**2**
	**MZ23**	Multi step switch with OFF 2 pole 3 steps			**3**
	**MZ24**	Multi step switch with OFF 2 pole 4 steps			**4**
	**MZ33**	Multi step switch with OFF 3 pole 3 steps			**5**
	**M013**	Multi step switch without OFF 1 pole 3 steps			**2**
	**M014**	Multi step switch without OFF 1 pole 4 steps			**2**
	**M015**	Multi step switch without OFF 1 pole 5 steps			**3**

Cam switches

International standards and approvals

Country	USA / Canada		Canada	Germany	Switzerland	Denmark	Norway	Sweden	Finland	Austria	Great Britain	IEC International electrical Commission
Authority	UL investigated according to CSA		CSA International	Verband Deutscher Elektrotechiker	Schweizerischer Elektrotechnischer Verein	Danmarks Elektriske Materielkotroll	Norges Elektriske Materielkotroll	Svenska Elektriske Materielkotroll-anstalten	Sähötar-kastuskeskus	Österreichischer Verband für Elektrotechnik	British Standards Istitution	
Mark of standard	(1) c UL us LISTED	(1) c	(2)	(3) VDE 0660							(3) BS EN 60947	(4) IEC 60947
CA012	•			+	+	+	+	+	+	+	+	+
CA016	•			+	+	+	+	+	+	+	+	+
CA020	•		•	+	+	+	+	+	+	+	+	+
CA025	•		•	+	+	+	+	+	+	+	+	+
CA032	•		•	+	+	+	+	+	+	+	+	+
CA040	•		•	+	+	+	+	+	+	+	+	+
CA050	•			+	+	+	+	+	+	+	+	+
CA063	•		•	+	+	+	+	+	+	+	+	+
CA100	•		•	+	+	+	+	+	+	+	+	+
CA200		•		+	+	+	+	+	+	+	+	+
CA400		•		+	+	+	+	+	+	+	+	+
CA630		•		+	+	+	+	+	+	+	+	+
CQ012	•		•	+	+	+	+	+	+	+	+	+
CQ016	•		•	+	+	+	+	+	+	+	+	+
CQ025				+	+	+	+	+	+	+	+	+
CQ032				+	+	+	+	+	+	+	+	+
CR012	•			+	+	+	+	+	+	+	+	+
CR016	•			+	+	+	+	+	+	+	+	+
CR020	•			+	+	+	+	+	+	+	+	+
CR025	•			+	+	+	+	+	+	+	+	+
CR032	•			+	+	+	+	+	+	+	+	+
CR040	•			+	+	+	+	+	+	+	+	+

• Approved

\+ conforms to requirements

Note:

1) UL Approval File E101686
2) CSA Approval File 039540-0-000
3) It is not required to bear a symbol but switches must conform to requirements.
4) IEC does not operate an approval diagram