



Model		C4-10A	C4-16A
Rated insulation voltage Ui	V	690	690
Rated impulse withstand voltage Uimp (sectionable)	kV	4	4
Rated thermal current Ith	A	16	20
Rated thermal current in enclosed Ithe	A	10	16
Frequency	Hz	50/60	50/60

RATED OPERATING CURRENT Ie: alternate current					
AC-21A Switching resistive loads (p) with light overloads		400V	A	10	16
AC-22A Switching mixed resistive and inductive loads at light overloads		400V	A	10	16
AC-23A Periodic switching of motors (p)	Single phase - 1 Pole	110V	A/Kw	12/1.1	14/1.5
		230V	A/Kw	12/2.2	14/3
		230V	A/Kw	10/3	13/4
	3 phase - 3 Pole	400V	A/Kw	10/5.5	13/7.5
		500V	A/Kw	10/7.5	14/10
		690V	A/Kw	10/7.5	14/10
AC3 Starting of cage motors (interruption while running)	Single phase - 2 Pole	110V	A/Kw	10/0,75	12/1.1
		230V	A/Kw	10/2	12/2.2
	3 phase - 3 Pole	230V	A/Kw	8/2,2	10/3
		400V	A/Kw	8/4	10/5.5
		500V	A/Kw	8/5,5	10/7.5
		690V	A/Kw	6/5,5	8/7.5

RATED OPERATING CURRENT Ie: direct current					
DC-21 A Switching resistive loads with light overloads		50V (1 Phase)	A	10	12
DC-22A Switching mixed resistive and inductive loads at light overloads		30V (1 Phase)	A	8	10

SHORT CIRCUIT CHARACTERISTICS					
Rated short-time short circuit withstand current Icw (1s)			A	300	300
Rated short circuit making capacity Icm			A	1200	1200

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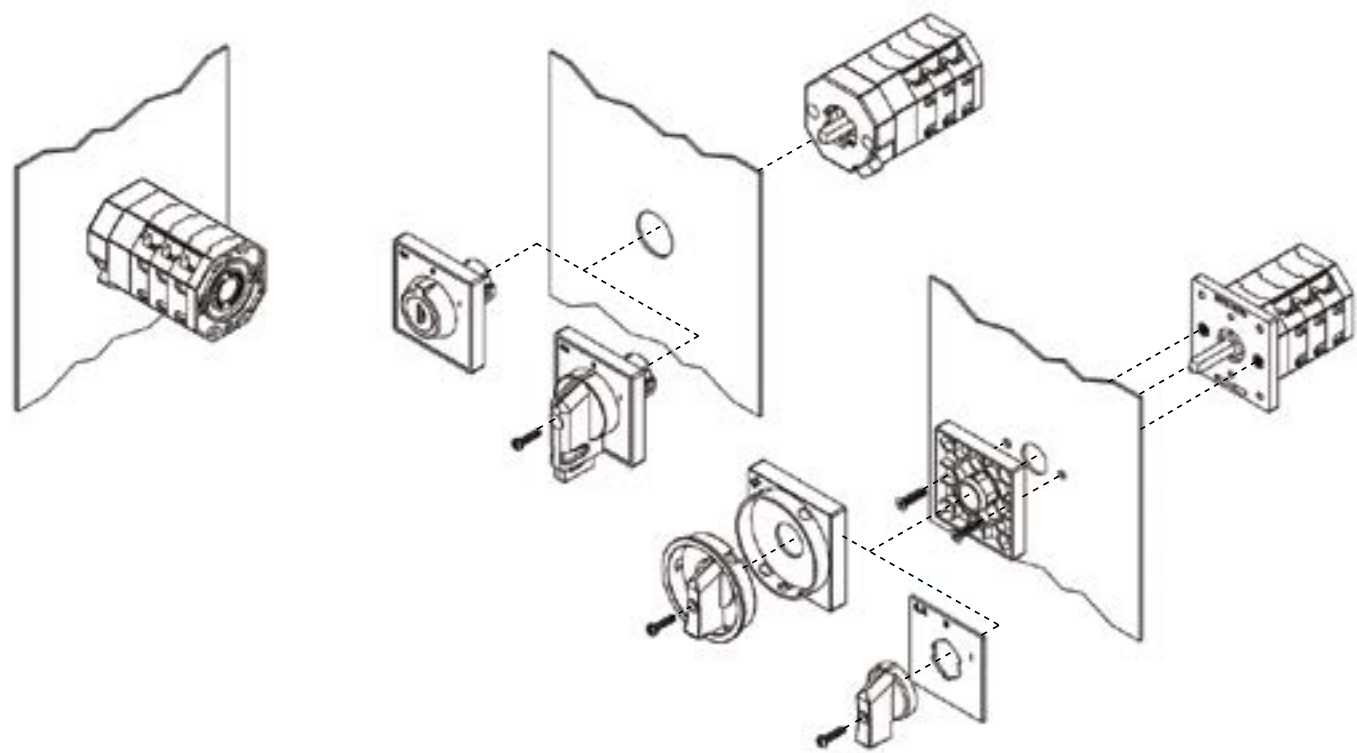
C4-20A	C4-25A	C4-32A	C4-40A	C6-40A	C6-63A	C6-80A	C6-100A	C8-100A	C8-125A	C8-160A
690	690	690	690	690	690	690	690	690	690	690
4	4	4	4	4	4	4	4	6	6	6
25	32	32	40	40	63	80	100	100	125	160
20	25	32	40	40	63	80	100	100	125	160
50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60

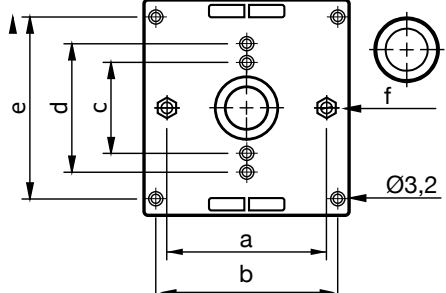
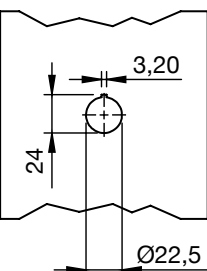
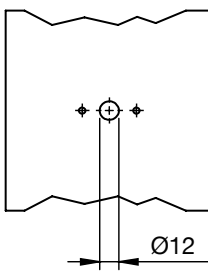
RATED OPERATING CURRENT Ie: alternate current										
20	25	32	40	40	63	80	100	100	125	160
20	25	32	40	40	63	80	-	-	-	-
18/2	25/2.2	30/2.5	35/3	35/3	45/4	63/5.5	-	-	-	-
18/4	25/4.5	30/5.5	35/6.5	35/6.5	45/7.5	63/11	70/13	70/13	-	-
16/5	25/7.5	30/9	35/11	35/11	50/15	58/18.5	94/30	94/30	140/45	173/55
16/9	22/11	27/15	32/18.5	32/18.5	40/22	54/30	68/37	68/37	78/45	99/55
16/11	22/15	27/18.5	32/22	32/22	40/30	54/37	65/45	65/45	65/45	79/55
16/12.5	20/15	22/18.5	25/22	25/22	32/30	40/37	-	-	47/45	58/55
16/1.5	22/2	25/2.2	30/2.5	30/2.5	36/3	45/4	-	-	-	
16/3.5	22/3.7	25/4	30/5.5	30/5.5	35/6.5	45/7.5	82/15	82/15	-	
12/4	18/5.5	23/7.5	27/9	27/9	37/11	47/15	97/31	97/31	117/37	141/45
12/6.5	18/9	23/11	27/15	27/15	35/18.5	44/22	67/37	67/37	64/37	81/45
12/8	18/11	23/15	27/18.5	27/18.5	35/22	44/30	53/37	53/37	53/37	65/45
10/9	14/11	18/15	20/18.5	20/18.5	25/22	32/30	-	-	39/37	47/45

16	20	25	32	32	-	-	-	-	-	-
12	16	20	25	25	-	-	-	-	-	-

300	380	380	500	500	960	960	1500	1500	1500	-
1200	2000	2000	2000	2000	2000	2000	2000	2000	2000	-

PANEL MOUNTING



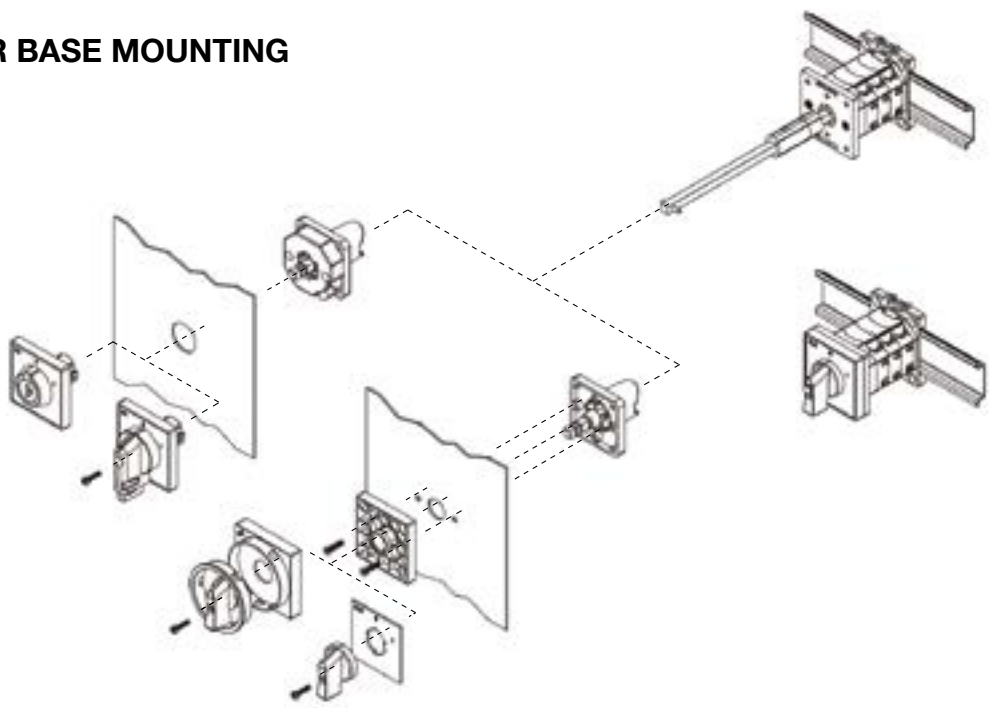
Panel Central Hole Dimensions		Switch Mounting Dimensions																																		
Mounting Without Screw	Mounting With Screw																																			
		<table><tr><th>Switch Body Type</th><th>a</th><th>b</th><th>c</th><th>d</th><th>e</th><th>f</th></tr><tr><td>4F</td><td>34</td><td>36</td><td>30.7</td><td>-</td><td>36</td><td>M3,5</td></tr><tr><td>6F</td><td>48</td><td>52</td><td>34</td><td>42</td><td>52</td><td>M4</td></tr><tr><td>8F</td><td>60</td><td>68</td><td>34</td><td>48</td><td>68</td><td>M4</td></tr></table>							Switch Body Type	a	b	c	d	e	f	4F	34	36	30.7	-	36	M3,5	6F	48	52	34	42	52	M4	8F	60	68	34	48	68	M4
Switch Body Type	a	b	c	d	e	f																														
4F	34	36	30.7	-	36	M3,5																														
6F	48	52	34	42	52	M4																														
8F	60	68	34	48	68	M4																														

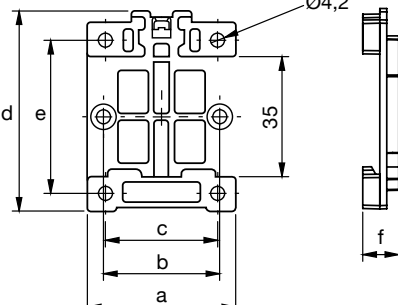
Frame Dimensions

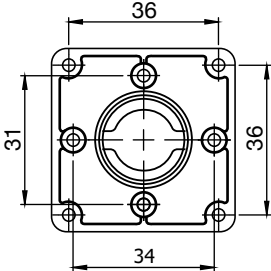
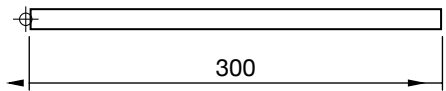
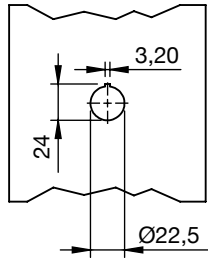
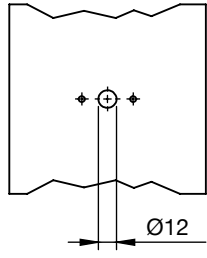
Technical drawing of a square frame with dimensions a-i and hole diameters Ø4 and Ø12. The drawing shows a square frame with a central circular hole of diameter Ø12. The frame has four mounting holes of diameter Ø4 at the corners. The dimensions are defined as follows: a is the distance from the center to the inner edge of the frame; b is the distance from the center to the outer edge of the frame; c is the distance from the center to the center of the mounting holes; d is the distance between the centers of the mounting holes; e is the distance between the outer edges of the mounting holes; f is the distance from the center to the inner edge of the frame; g is the distance from the center to the center of the mounting holes; h is the distance from the center to the outer edge of the frame; i is the distance between the outer edges of the mounting holes.

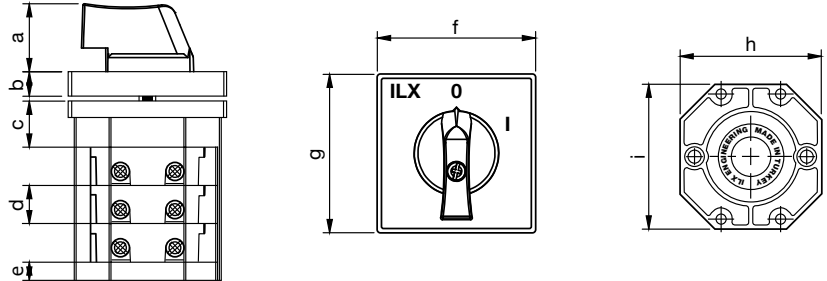
Frame Type	a	b	c	d	e	f	g	h	i
4	34	-	36	-	-	36	30,7	-	-
6	Slot-31,5 to 48		36	52	-	36	48	52	-
8	34	60	36	52	68	36	48	52	68

RAIL OR BASE MOUNTING

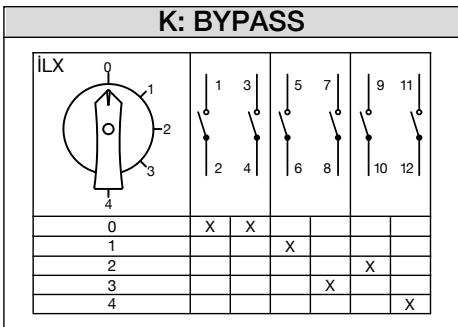
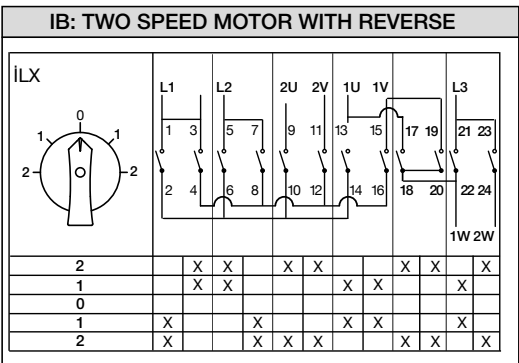
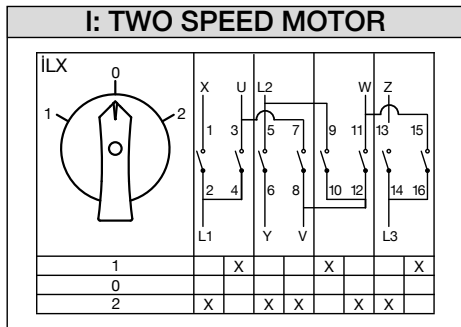
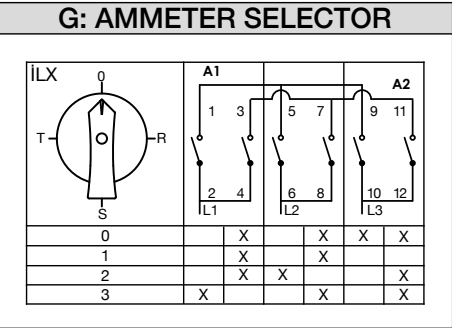
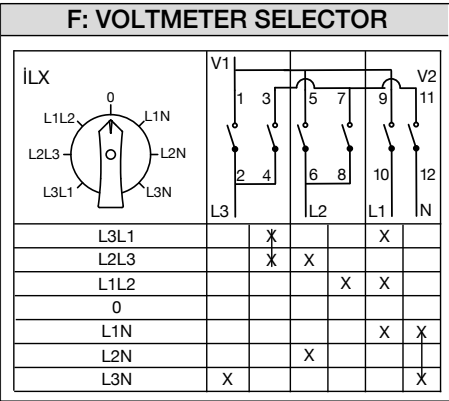
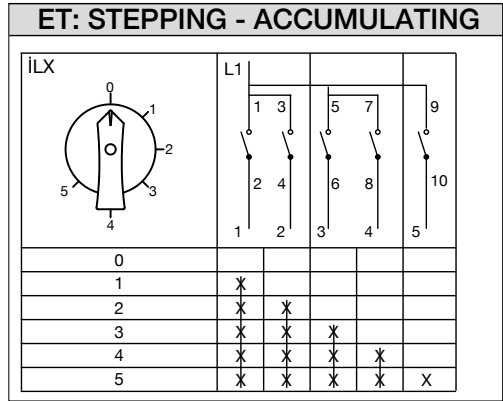
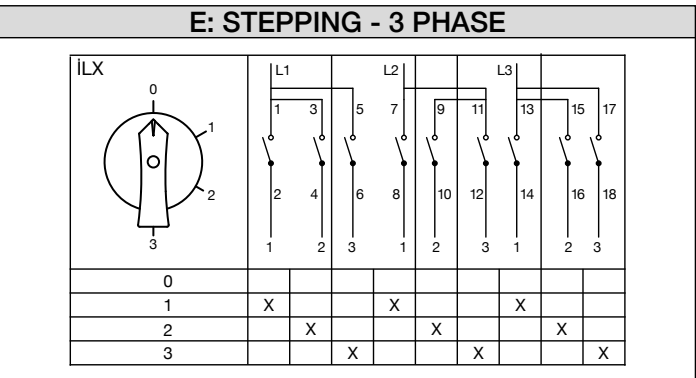
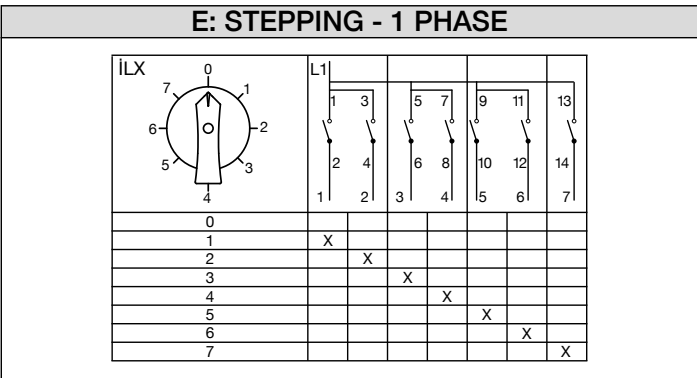
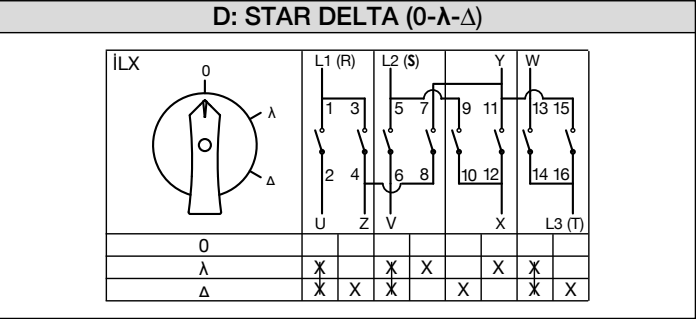
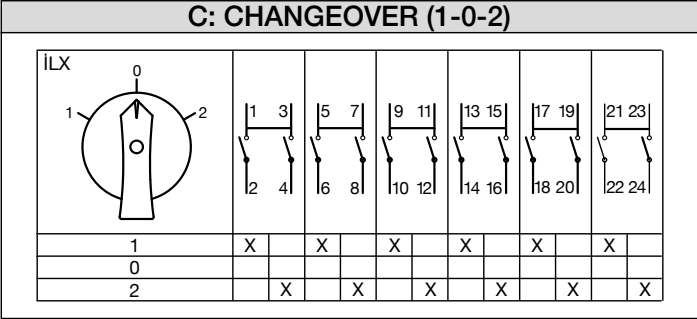
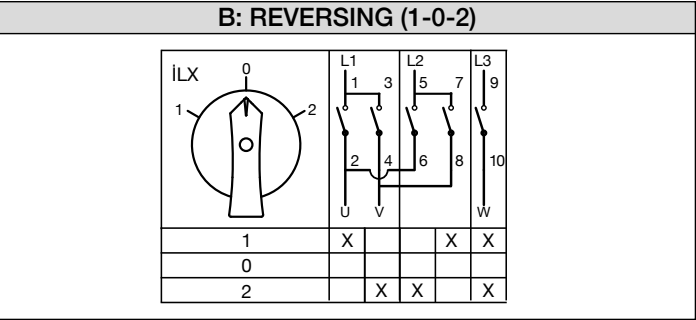
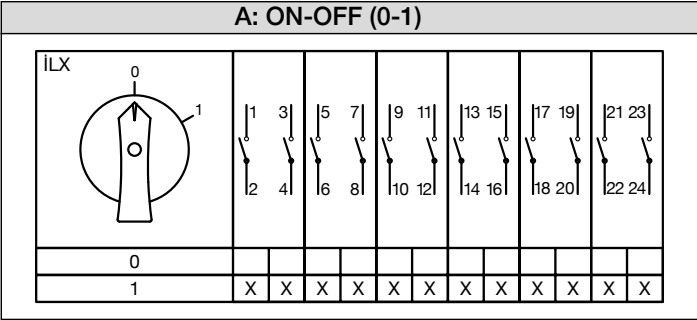


Base Mounting Dimensions						
	Switch Body Type	a	b	c	d	e
	4F	44	34	33	60	45
	6F	65	48	54	74	55
	8F	76	60	66	91	68

Panel Central Hole Dimensions		Ext. Shaft Body Dimensions	Extension Shaft Dimensions
Mounting Without Screw	Mounting With Screw		 Inquire for special dimensions.
			

Cam Switches Dimensions											
	Switch Body Type	Suitable for (Ampere)	a		b		c	d	e	f	i
			P Type	L Type	P Type	L Type					
	4	10 to 40	20,6	17	7,5	9	14	11,6	5,5	48	42,8
	6	40 to 80	27,4	23,3	8	10	20,3	18,2	8,2	66	63,5
	8	80 to 200	27,4	23,3	8	10	20,3	24,5	-	80	-

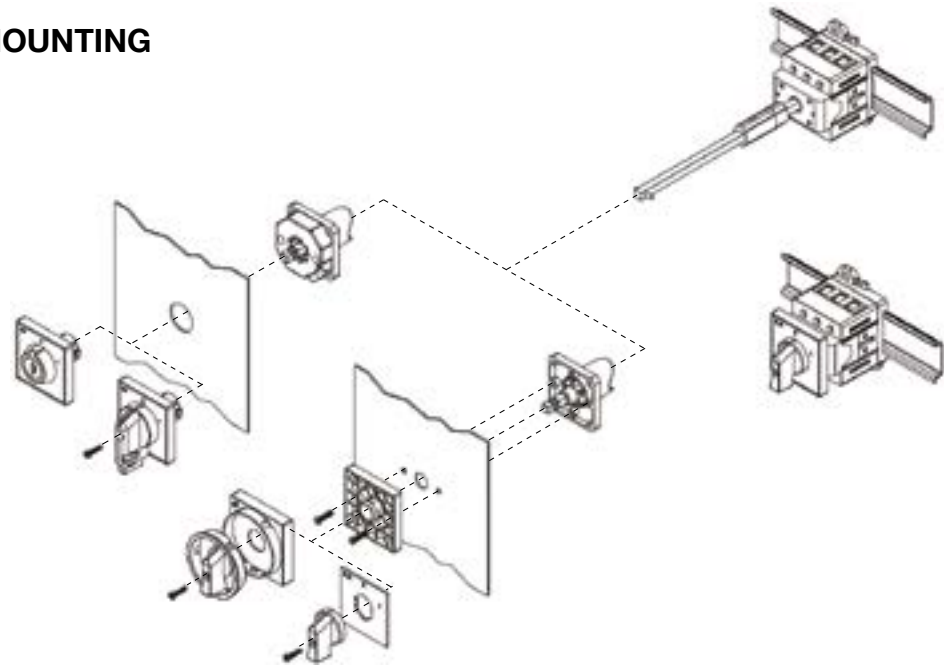
CONNECTION DIAGRAM



FRONT PLATE AND HANDLE TYPES

Type	Type P - Standard Handle			Type B Transparent Cover	Type
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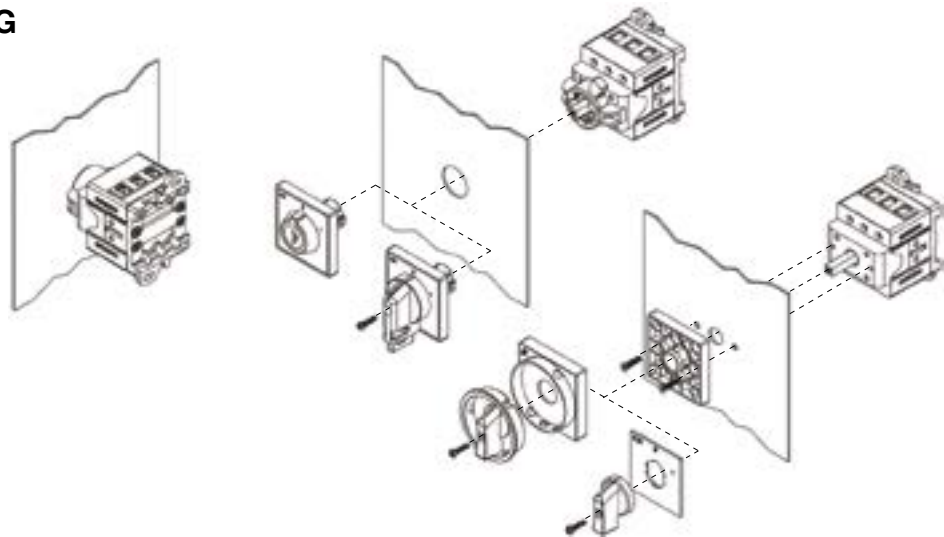
RAIL OR BASE MOUNTING



Panel Central Hole Dimensions		Ext. Shaft Body Dimensions	Base Mounting Dimensions
Mounting Without Screw	Mounting With Screw		

Extension Shaft Dimensions
Inquire for special dimensions.

PANEL MOUNTING



Panel Central Hole Dimensions		Frame Dimension	Switch Mounting Dimensions
Mounting Without Screw	Mounting With Screw		

TECHNICAL DATA - ELECTRICAL RATINGS

Code			iL-...-025	iL-...-032	iL-...-050
Rated operating voltage Ue		V	690		
Rated insulation voltage Ui		V	690		
Rated impulse withstand voltage Uimp (sectionable)		KV	8		
Rated thermal current Ith		A	32	40	63
Rated thermal current in enclosed Ithe		A	32	40	63
Frequency		Hz	50/60		
Temperature range	Operating	°C	-20 to +60		
	Storage	°C	-20 to +65		
Mechanical life time		cycles	100.000		

RATED OPERATING CURRENT						
AC-21A Switching resistive loads (p) with light overloads		690V	A	25	32	50
AC-23A Periodic switching of motors (p)	3 phase 3 pole	230V	A	25	32	50
			kW	7,5	10	-
		400V	A	25	32	50
			kW	15	18,5	-
		500V	A	25	32	50
			kW	15	22	-
		690V	A	16	20	25
			kW	15	18,5	-

Short Circuit Characteristics				
Rated short-time short circuit withstand current Icw (1s) A	A	800	800	800
Rated short circuit making capacity Icm A	A	1500	1500	2200

Dimensions

Technical drawings of the switch showing dimensions:

- Front View:** Dimensions include 11, 36, 8, 55, and 52.
- Top View:** Dimensions include 48, 71, and 52.
- Side View:** Dimensions include 11, 36, 8, 55, and 52.
- ILX Label:** Located on the top view.

Frame Type	Suitable For (Ampere)	a		b		c	d
		L Type	L Type	L Type	L Type		
4	25, 32, 50*	20,6	17	7,5	9	48	48
6		27,4	23,3	8	10	66	66
8		27,4	23,3	8	10	80	80

* Inquire for other ampere values.

Connection Diagram

Connection diagram showing the switch handle (0, 1) and terminal positions (1, 2, 3, 4, 5, 6). The diagram indicates that terminals 1, 3, and 5 are connected to the handle.

0			
1	X	X	X

ADDITIONAL POLES DETAILS

Dimensions		Connection Diagram	
		Additional Pole NO	7 — 8
		Neutral Terminal	N — N
		Ground Terminal	PE — PE
		Neutral (Early Make Late Break)	N — N

İL-XC4032-A01-PWB4D/OT

Switch Type

- C** Cam Switches
- D** Switch Disconnectors

Product Body Type

- 4 48x48mm
6 66x66mm
8 80x80mm

Rated Thermal Current

- 010** 10A
016 16A
020 20A
025 25A
032 32A
040 40A
050 50A
063 63A
080 80A
100 100A
125 125A
160 160A

Switching Function

- A** On-Off
- B** Reversing
- C** Changeover
- D** Star Delta ($0-\lambda-\Delta$)
- E** Stepping
- ET** Gang
- F** Voltmeter Selector
- G** Ammeter Selector
- I** Two Speed Motor
- J** Welding Machine
- K** Bypass

*Inquire for special requests.

**Switch Disconnectors (IL-XD4) can only be made with On-Off function.

Extra Options

- OT** Open Terminal
L83 L83 Type Box
L83-TB Repair Maintenance Switch with L83 Box

Mounting Type

- D** Panel Door
B Panel Base
R3 DIN Rail with 30cm Extension
S Locknut Mounting

Front Label Size

- 4 48x48mm
6 66x66mm
8 80x80mm

Handle Color

- B** Black
R Red

Front Label Color

- W** White
G Gray
Y Yellow

Handle Type

Refer to page 19 for details.

Switching Function (Cont.)

A (On-Off)	01-12	1-12 Poles
B (Reversing)	01 03	1 Phase Motor 3 Phase Motor
C (Changeover)	01-06	1-6 Poles
D (Star-Delta)	03	3 Phase
F (Voltmeter Selector)	04 07	Phase-Neutral Phase-Phase + Phase-Neutral
G (Ammeter Selector)	03	3 Phase
I (Two Speed Motor)	03 B03	3 Phase 3 Phase + Reversing
J (Welding Machine)	03-07	3-7 Poles
K (Bypass)	03 04	3 Step Bypass 4 Step Bypass
E (Stepping) ET (Gang)	abc	a: 0=with 0 pos. 1=without 0 pos. b: number of poles c: number of steps

- Cross rotary limit switches with 285 mm rods
- According to IEC/EN 60947-3
- Ambient temperature : Operating -25° +55° C / Storage -30° +70° C
- Cable entry with PG13.5 cable gland
- Max limit $\pm 180^\circ$

