

Switch disconnectors

Load break switch disconnectors type LK3, 40 - 1250 A
Selection guide for 3 and 4-pole switch disconnectors

General

The LK3 range of switch disconnectors (lth: 40 A to 1250 A) is designed for use in motor or distribution control panels or as local safety switches to break stalled motor currents in emergency. The larger switch disconnectors are particularly suitable for use as bus couplers.

Design	The switch disconnector body is of self-extinguishing glass fibre reinforced polyester having high impact strength and tracking index. The quick make/break contacts are of silver plated copper and designed to give high contact pressure when closed and handle interlocking with enclosure doors is simply achieved with standard shaft extensions available. All LK3 switch disconnectors are suitable for use in tropical conditions (TH finish as standard) due to the stable qualities of the polyester moulding in damp conditions and the use of zinc plated steel component parts. The state of contacts is clearly visible via an indicator incorporated in the front face of the body moulding.																																																
Conforming to standards	IEC/EN 60947-3, VDE 0660, NF C 15100/63130/20040, NBN 63408, FIB 7/75. Special versions for BV and LROS. For further information please call our Customer information centre on 0870 608 8 608.																																																
Range	27 models of LK3 switch disconnector provide a single source for the majority of applications. 3 and 4 pole versions are available in all ratings with the 4th pole fully rated. As an alternative; a solid, fully rated, 4th pole is available for use as a neutral link in models having thermal ratings 160 A to 630 A. <table><tr><td colspan="12">Motor switching (full load current) and Thermal rating</td></tr><tr><td>40 A</td><td>63 A</td><td>80 A</td><td>125 A</td><td>160 A</td><td>250 A</td><td>315 A</td><td>400 A</td><td>630 A</td><td>800 A</td><td>1250 A</td><td></td></tr><tr><td colspan="12">AC-23 A rating (400 V)</td></tr><tr><td>40 A</td><td>50 A</td><td>63 A</td><td>80 A</td><td>125 A</td><td>250 A</td><td>315 A</td><td>400 A</td><td>400 A</td><td>800 A</td><td>1000 A</td><td></td></tr></table> More detailed information is given later in this publication. In addition, 1 or 2 auxiliary contact blocks may be simply added from the front, each block containing 1 N/O and 1 N/C contact.	Motor switching (full load current) and Thermal rating												40 A	63 A	80 A	125 A	160 A	250 A	315 A	400 A	630 A	800 A	1250 A		AC-23 A rating (400 V)												40 A	50 A	63 A	80 A	125 A	250 A	315 A	400 A	400 A	800 A	1000 A	
Motor switching (full load current) and Thermal rating																																																	
40 A	63 A	80 A	125 A	160 A	250 A	315 A	400 A	630 A	800 A	1250 A																																							
AC-23 A rating (400 V)																																																	
40 A	50 A	63 A	80 A	125 A	250 A	315 A	400 A	400 A	800 A	1000 A																																							
Interlocking with enclosure doors	Handles may be screwed directly to operating shafts for open or interior switching, or a simple door interlock mechanism can be fitted to ensure that the switch disconnector is in the open position before the door can be opened.																																																
Mounting	Four point fixing is provided for LK3 switch disconnectors. The normal position is with terminals horizontal, but it is possible to mount them with terminals vertical if the contact state indicator is positioned above the shaft in the case of 40 A, 63 A and 80 A lth versions and below the shaft in the case of the remainder. To prevent the need for mounting brackets, shaft extensions are available for deeper enclosures. These are simply clamped to the switch disconnector shaft.																																																
Terminal shrouding	Main terminals may be protected against accidental contact by the addition of a clear shroud quickly fitted from the front. The 40 A and 63 A versions have recessed clamp terminals so shrouding is not necessary.																																																
Operating handles	As standard, each LK3 switch disconnector kit is supplied with a red handle fitted with a clasp which can be raised and trapped with a number of padlocks in the "OFF" position preventing operation. Single sided handles are supplied with switch disconnectors having ratings up to 630 A and double sided handles for the remainder.																																																
Termination	The 40 A and 63 A lth versions have recessed clamp terminals. 80 A to 1250 A versions have substantial terminal plates: bolts are provided on the 80 A, 125 A and 160 A versions and saddle clamps on the 250 A to 630 A versions. All terminals are in line and fully accessible from the front; 80 A version and above suitable for cable lug or busbar connection.																																																
Ordering	To simplify ordering and stocking a single reference is used for each switch disconnector kit comprising switch disconnector body, door interlocked padlockable handle, shaft extension, terminal shroud and escutcheon plate. First and second auxiliary switches are separately listed as are alternative handles. If desired however, each component of the switch disconnector kit may be ordered separately.																																																
6-pole and 8-pole changeover switch disconnectors and mechanically interlocked switch disconnectors	Versions of LK3 switch disconnectors are available which are suitable for changeover duty, ideal for duty-standby supply selection, and others for 6 or 8 pole isolation, i.e. for local isolation of 'star-delta' motors. Please call our Customer information centre on 0870 608 8 608.																																																



Selection related to ambient temperature and supply frequency

For standard applications, the switch disconnectors can be used in warm and damp conditions (Humidity: 95 % at 45 °C) on either a d.c. or a.c. (50 to 100 Hz) supply.
In cases where the ambient temperature or a.c. supply frequency is higher, it is necessary to apply the following correction coefficients to the nominal current:

Ambient temperature

$$\text{Select } I_{th} \geq \frac{I_n}{K_t}$$

$K_t = 0.9$ for $45^\circ\text{C} < Q \leq 55^\circ\text{C}$

$K_t = 0.8$ for $55^\circ\text{C} < Q \leq 65^\circ\text{C}$

$K_t = 0.7$ for $65^\circ\text{C} < Q \leq 75^\circ\text{C}$

Supply frequency

$$\text{Select } I_{th} \geq \frac{I_n}{K_f}$$

$K_f = 0.9$ for $100 \text{ Hz} < f \leq 1000 \text{ Hz}$

$K_f = 0.8$ for $1000 \text{ Hz} < f \leq 2000 \text{ Hz}$

$K_f = 0.7$ for $2000 \text{ Hz} < f \leq 6000 \text{ Hz}$

$K_f = 0.6$ for $6000 \text{ Hz} < f \leq 10000 \text{ Hz}$

Note: When enclosing the switch disconnectors ensure that the internal volume of the enclosure is 5 times that of the switch disconnectors in the case of steel enclosures and 10 times that of the switch disconnectors in the case of insulated enclosures.

Specific applications**Motor circuits with frequent starting**

Determine the corresponding I_{th}

Starting method	$\frac{I_d}{I_n}$ (td)	Number of starts per hour (n) without derating	Correction coefficient to apply to I_{th} for number of starts per hour exceeding n
Direct up to 170 kW	8 (4 s)	14	$\frac{\sqrt{n}}{3.75}$
Star-delta	2.5 (6 s)	95	$\frac{\sqrt{n}}{9.8}$
Direct (centrifugal machines)	12 (10 s)	2	$\frac{\sqrt{n}}{1.4}$

Primaries of 3-phase distribution transformers

Determine the rating of the switch disconnectors according to the making and breaking power

Theoretical peak values of transformer switching currents									
Power (kVA)	50	100	160	250	400	630	1000	1250	1600
$\frac{I_{\text{making}}}{I_{\text{nominal}}} =$	15	14.5	14	13	12	11	10	9	8.5
Time constant (in seconds)	0.11	0.15	0.18	0.21	0.25	0.29	0.34	0.36	0.4

 I_n and I_{sc} 3-phase LV distribution transformers

	230 V		230 V		400 V		400 V		660 V		660 V	
kVA	I_n	I_{sc}	I_n	I_{sc}	I_n	I_{sc}	I_n	I_{sc}	I_n	I_{sc}	I_n	I_{sc}
	A	kA rms	A	kA rms	A	kA rms	A	kA rms	A	kA rms	A	kA rms
50	126	3	72	1.8	42	1						
63	157	4	91	2.3	52	1.3						
80	200	5	115	2.9	66	1.7						
100	250	6.2	145	3.6	84	2						
125	313	7.7	180	4.5	104	2.6						
160	400	10	232	5.5	134	3.3						
200	500	12.3	290	7	167	4						
250	625	15.4	360	9	208	5.2						
315	790	19.3	456	11.2	263	6.5						
400	1000	24.5	580	14	335	8						
500	1250	31	720	17.6	416	10						
630	1575	33	910	22	525	12.7						
800	2000	36	1155	25	667	14.5						
1000	2500	40	1445	28	835	16						
1250	—	—	1805	31.5	1040	18						

Capacitive circuits

Select $I_{th} = 1.5 \times I_n$ of the unit or capacitor bank

I_n (A) of the capacitor bank related to voltage

kVAR	10	20	40	50	60	75	100	125	150
400 V	15	30.5	61	76	22	115	152	190	220
500 V	12	23.2	46.5	58	67	84	115	145	170
660 V	9	18	36	45	—	—	—	—	—

Switch disconnector type	LK3●-	AP●	AR●	AT3	AT31	
Electrical characteristics						
Rated thermal current at 40 °C (Ith)	A	40	63	80	125	
Rated insulation voltage (Ui)	V	690				
Operational voltage (Ue)		Rated operational current (Ie) A / B (1) conforming to IEC/EN 60947-3				
400 V AC (50/60 Hz)	Utilisation category AC-22 A / AC-22 B	A	40 / 40	63 / 63	80 / 80	100 / 125
	AC-23 A / AC-23 B	A	40 / 40	50 / 63	80 / 80	80 / 100
500 V AC (50/60 Hz)	AC-22 A / AC-22 B	A	40 / 40	50 / 63	80 / 80	80 / 80
	AC-23 A / AC-23 B	A	25 / 32	25 / 32	63 / 63	63 / 63
690 V AC (50/60 Hz)	AC-21 A / AC-21 B	A	40 / 40	50 / 50	80 / 80	80 / 80
	AC-22 A / AC-22 B	A	32 / 32	32 / 32	50 / 50	50/ 50
	AC-23 A / AC-23 B	A	25 / 25	25 / 25	40 / 40	40 / 40
260 V DC	DC-21 A / DC-21 B	A	32 / 40	63★ / 63	80★ / 80	100★ / 100★
	DC-22 A / DC-22 B	A	40★ / 40	63★ / 50	80★ / 63	80★ / 80★
	DC-23 A / DC-23 B	A	40★ / 40	63★ / 50	63★ / 50	63★ / 63★
400 V DC	DC-21 A / DC-21 B	A	20 / 25	25 / 32	32 / 40	40★ / 40★
	DC-22 A / DC-22 B	A	—	—	—	—
	DC-23 A / DC-23 B	A	—	—	—	—
500 V DC	DC-21 A / DC-21 B	A	20★ / 20	25★ / 25	32★ / 25	40 / 40
	DC-22 A / DC-22 B	A	—	—	—	—
	DC-23 A / DC-23 B	A	—	—	—	—
★ Use 4 pole switch disconnectors - 2 poles in series. (1) A type category signifies frequent operations. B type category signifies infrequent operations.						
Derating factor for higher ambient temperatures		50 °C x 0.9 ; 60 °C x 0.8 ; 70 °C x 0.7				
Occasional breaking capacity 400 V AC-23 A	A	320	400	640	640	
Short-time rating (1 second)	kA rms	2.5				
Short-circuit make with fuses	kA peak	4.5				
Dielectric strength, 50 Hz (1 minute)	kV	4				
Electrical life (400 V, AC-23)	No. of ops.	1500 / 300				
Auxiliary contacts	Common to all switch disconnectors, operating before the main poles on opening of the switch disconnectors. Rating: 5 A at 240 V a.c. Each block contains 1 N/O and 1 N/C contact which must be connected in circuits of the same polarity.					
Mechanical characteristics						
Operating force	N.m	2				
Mechanical life	No. of ops.	10,000				
Degree of protection conforming to IEC/EN 60947-1		IP 55 (shaft through door)				
Ambient temperature range	°C	- 20 to + 70 (see derating factors for temperatures above 40 °C)				

BC	BG.	BJ.	BN.	BS.	BV.	CD.
160	250	315	400	630	800	1250
750		1000				
Rated operational current (Ie) A / B (1) conforming to IEC/EN 60947-3						
160 / 160	250 / 250	315 / 315	400 / 400	630 / 630	800 / 800	1250 / 1250
125 / 160	250 / 250	315 / 315	400 / 400	400 / 500	800 / 800	1250 / 1250
125 / 125	250 / 250	315 / 315	400 / 400	500 / 500	800 / 800	1000 / 1250
100 / 100	200 / 250	315 / 315	315 / 315	315 / 315	630 / 800	800 / 1000
160 / 160	200 / 250	315 / 315	400 / 400	500 / 500	800 / 800	1000 / 1250
125 / 125	125 / 160	250 / 315	250 / 315	315 / 315	500 / 630	630 / 800
63 / 80	100 / 125	160 / 200	160 / 200	160 / 200	200 / 250	400 / 500
160 / 160	250 / 250	315 / 315	400 / 400	630 / 630	800 / 800	1250 / 1250
160 / 160	250 / 250	315 / 315	400 / 400	500 / 500	800 / 800	1250 / 1250
125 / 125	200 / 200	315 / 315	400 / 400	500 / 500	800 / 800	1250★ / 1250★
160 / 160	250 / 250	315 / 315	400 / 400	500 / 500	630 / 800	1250 / 1250
125 / 125	200 / 200	315 / 315	400 / 400	500 / 500	800★ / 630	1250 / 1250
125★ / 125★	200★ / 200★	315★ / 315	400★ / 315	500★ / 500★	800★ / 500	1000★ / 1000★
125 / 125	200 / 200	315 / 315	400 / 400	500 / 500	630 / 630	1250 / 1250
125 / 125	200 / 200	315 / 315	315 / 400	500 / 500	800★ / 500	1250★ /1250
125★ / 125★	200★ / 200★	315★ / 250	400★ / 250	500★ / 600★	800★ / 400	1000★ / 1000★
★ Use 4 pole switch disconnectors - 2 poles in series. (1) A type category signifies frequent operations. B type category signifies infrequent operations.						
50 °C x 0.9 ; 60 °C x 0.8 ; 70 °C x 0.7						
1000	2000	2520	3200	3200	6400	8000
7	9	13			26	50
12	17	30			50	70
5		8				10
1000 / 200					500 / 100	
Common to all switch disconnectors, operating before the main poles on opening of the switch disconnectors. Rating: 5 A at 240 V a.c. Each block contains 1 N/O and 1 N/C contact which must be connected in circuits of the same polarity.						
6.5	10	14.5			37	
10,000		5000			4000	
IP 55 (shaft through door)						
- 20 to + 70 (see derating factors for temperatures above 40 °C)						

Switch disconnectors

Load break switch disconnectors type LK3, 40 - 1250 A
Selection guide for 3 and 4-pole switch disconnectors



LK31-BCii

Switch disconnector kits (1)

Marking	Ingress protection	Thermal rating Ith	Motor switching F.L.C. rating AC-22 A (400 V)	AC-23 A rating (400 V)	No. of poles (S.N. = solid neutral)	Reference	Weight
		A	A	A			kg
	IP 54	40	40	40	3	LK3-AP30	0.535
					4	LK3-AP40	0.555
		63	63	50	3	LK3-AR30	0.535
					4	LK3-AR40	0.555
		80	80	63	3	LK3-AT30	0.580
					4	LK3-AT40	0.620
	Non defeatable	125	100	80	3	LK31-AT30	0.580
					4	LK31-AT40	0.620
		160	160	125	3	LK31-BC30	1.895
					4	LK31-BC40	2.105
	IP 65	250	250	250	3 + S.N.	LK31-BC50	2.005
					3	LK31-BG30	2.810
					4	LK31-BG40	2.925
		315	315	315	3 + S.N.	LK31-BG50	2.925
					3	LK31-BJ30	4.305
					4	LK31-BJ40	5.075
	Defeatable	400	400	400	3 + S.N.	LK31-BJ50	4.975
					3	LK31-BN30	4.305
					4	LK31-BN40	5.075
		630	630	500	3 + S.N.	LK31-BN50	4.975
					3	LK31-BS30	4.475
					4	LK31-BS40	5.395
		800	800	800	3 + S.N.	LK31-BS50	5.195
					3	LK3-BV30	9.370
					4	LK3-BV40	10.990
	IP 65	1250	1250	1000	3	LK3-CD30H	11.720
					4	LK3-CD40H	14.600

(1) The kit references indicated above comprise: switch disconnector body, shaft extension (200 mm), door interlock, power terminal screen, red padlockable handle (single sided for LK3-AP/AR/AT and LK31-AT/BC/BG/BJ/BN/BS, double sided for LK3-BV/CD) and escutcheon plate (black inscription on yellow background).

Auxiliary contacts

Description	For switch disconnectors type	Reference	Weight kg
First auxiliary contact for signalling applications 1 N/O + 1 N/C	LK3-AP/AR/AT and LK31-AT	LA8-SATA1	0.020
	LK31-BC/BG/BJ/BN/BS	LA81-SBPA1	0.020
	LK3-BV/CD	LA8-SBPA1	0.020
Second auxiliary contact for signalling applications 1 N/O + 1 N/C	LK3-AP/AR/AT and LK31-AT	LA8-ZATA2	0.020
	LK31-BC/BG/BJ/BN/BS	LA81-ZBPA2	0.020
	LK3-BV/CD	LA8-ZBPA2	0.020

Other versions

Changeover and mechanically interlocked switch disconnectors.

For further information please call our Customer information centre on 0870 608 8 608.

Switch disconnectors

Load break switch disconnectors type LK3, 40 - 1250 A
Selection guide for switch disconnector bodies and handles



LK31-BC3

Switch disconnector bodies

For switch-disconnector type	Thermal rating Ith A	Motor switching F.L.C. rating AC-22 A (400 V) A	AC-23 A rating (400 V) A	No. of poles (S.N. = solid neutral)	Reference	Weight kg
LK3-AP30	40	40	40	3	LK3-AP3	0.300
LK3-AP40	40	40	40	4	LK3-AP4	0.320
LK3-AR30	63	63	50	3	LK3-AR3	0.300
LK3-AR40	63	63	50	4	LK3-AR4	0.320
LK3-AT30	80	80	63	3	LK3-AT3	0.330
LK3-AT40	80	80	63	4	LK3-AT4	0.370
LK31-AT30	125	100	80	3	LK31-AT3	0.330
LK31-AT40	125	100	80	4	LK31-AT4	0.370
LK31-BC30	160	160	125	3	LK31-BC3	1.100
LK31-BC40	160	160	125	4	LK31-BC4	1.300
LK31-BC50	160	160	125	3 + S.N.	LK31-BC5	1.200
LK31-BG30	250	250	250	3	LK31-BG3	2.000
LK31-BG40	250	250	250	4	LK31-BG4	2.100
LK31-BG50	250	250	250	3 + S.N.	LK31-BG5	2.100
LK31-BJ30	315	315	315	3	LK31-BJ3	3.430
LK31-BJ40	315	315	315	4	LK31-BJ4	4.180
LK31-BJ50	315	315	315	3 + S.N.	LK31-BJ5	4.080
LK31-BN30	400	400	400	3	LK31-BN3	3.430
LK31-BN40	400	400	400	4	LK31-BN4	4.180
LK31-BN50	400	400	400	3 + S.N.	LK31-BN5	4.080
LK31-BS30	630	630	500	3	LK31-BS3	3.600
LK31-BS40	630	630	500	4	LK31-BS4	4.500
LK31-BS50	630	630	500	3 + S.N.	LK31-BS5	4.300
LK3-BV30	800	800	800	3	LK3-BV3	8.000
LK3-BV40	800	800	800	4	LK3-BV4	9.600
LK3-CD30	1250	1250	1000	3	LK3-CD3H	10.300
LK3-CD40	1250	1250	1000	4	LK3-CD4H	13.150

Handles

Single sided	Requires separate interlock	IP 54	LK3-AP/AR/AT and LK31-AT	LA8-SATD6	0.020
	Door interlocked handle assemblies	IP 65	LK31-BC/BG/BJ/BN/BS	LA81-ZBPD7	0.069
Double sided	Requires separate interlock	IP 65	LK3-BV/CD	LA8-ZBPD8	0.470
Direct mounted handle assembly	Single sided Padlockable	IP 65	LK31-BC/BG/BJ/BN/BS	LA81-ZBPD3	0.060



LA8-ZBPD8

Switch disconnectors

Load break switch disconnectors type LK3, 40 - 1250 A
Selection guide for accessories

Door interlocks

Description	For switch disconnectors type	Reference	Weight kg
Door interlocks (1)	LK3-AP/AR/AT and LK31-AT	LA8-SATE	0.150
	LK3-BV/CD	LA8-ZBVE	0.340

Shaft extensions

200 mm shaft extension	LK3-AP/AR/AT and LK31-AT	LA8-SATC	0.065
	LK31-BC/BG/BJ/BN/BS	LA81-ZBPC1	0.415
	LK3-BV/CD	LA8-ZBPC2	0.415
320 mm shaft extension	LK31-BC/BG/BJ/BN/BS	LA81-ZBPC2	0.625

Terminal screens

Terminal screens	LK31-AT	LA8-SATB	0.015
	LK31-BC30	LA8-SBPB1	0.020
	LK31-BC40/BC50	LA8-SBPB2	0.030
	LK31-BG30	LA8-SBPB3	0.035
	LK31-BG40/BG50	LA8-SBPB4	0.050
	LK31-BJ30/BN30/BS30	LA8-SBPB5	0.100
	LK31-BJ40/BJ50/BN40/BN50/ BS40/BS50	LA8-SBPB6	0.120
	LK3-BV30	LA8-SBPB7	0.145
	LK3-BV40	LA8-SBPB8	0.165
	LK3-CD30	LA8-SBPB9	0.195
	LK3-CD40	LA8-SBPB10	0.225

Terminal shrouds

Terminal shrouds IP 2X	LK31-AT	LA81-SATB	0.015
	LK31-BC30	LA82-SBPB1	0.020
	LK31-BC40/BC50	LA82-SBPB2	0.030
	LK31-BG30	LA82-SBPB3	0.035
	LK31-BG40/BG50	LA82-SBPB4	0.050
	LK31-BJ30/BN30/BS30	LA82-SBPB5	0.100
	LK31-BJ40/BJ50/BN40/BN50/ BS40/BS50	LA82-SBPB6	0.120

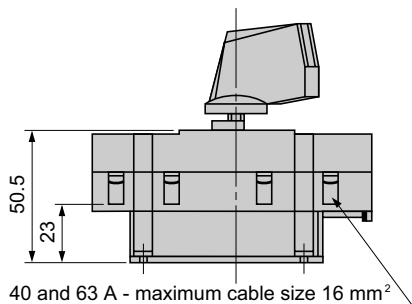
Mounting accessory

Spacers	LK31-BC	LK8-ZBPA1	0.001
	LK31-BG	LK8-ZBPA2	0.001

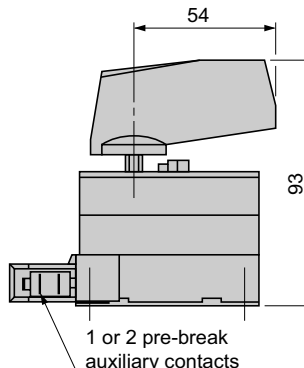
(1) LK31-BC - BS have the door interlock incorporated in the handle assembly.

The 4-pole versions are illustrated: the 3-pole versions have identical dimensions but the left pole is omitted.

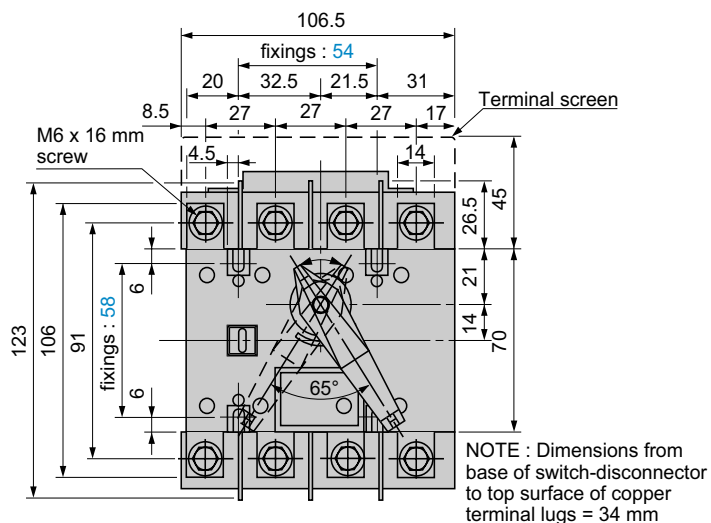
LK3-AP● and LK3-AR●



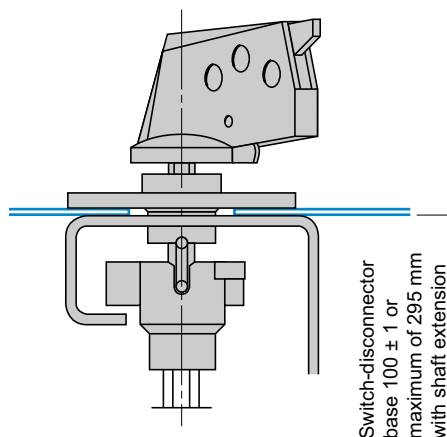
Direct operation



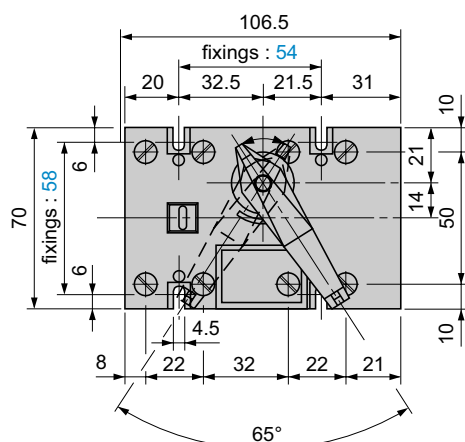
LK3-AT● and LK31-AT●



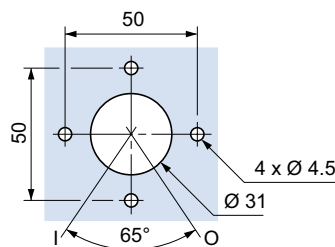
External operation



LK3-AP● and LK3-AR●



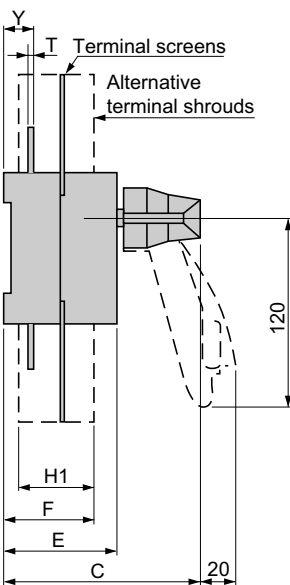
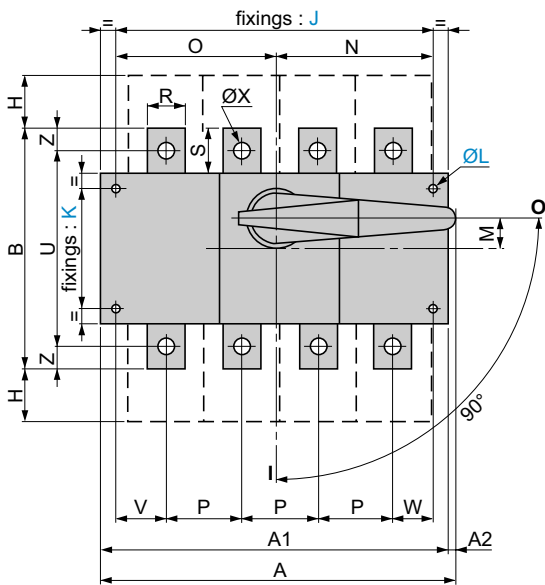
Door drilling



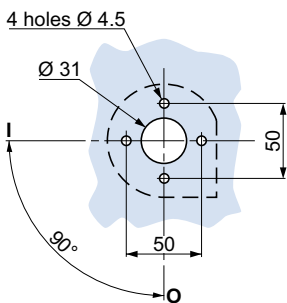
Switch disconnectors

Load break switch disconnectors type LK3, 40 - 1250 A
Dimensions for 3 and 4-pole switch disconnectors

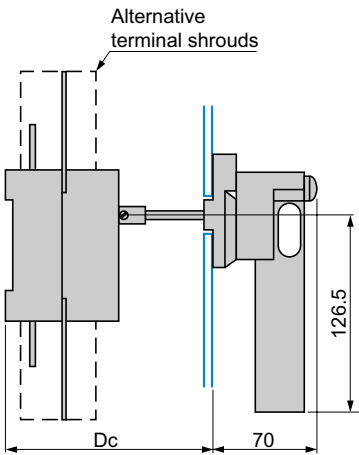
Direct operation



Door drilling



External operation



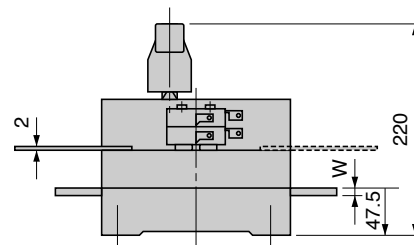
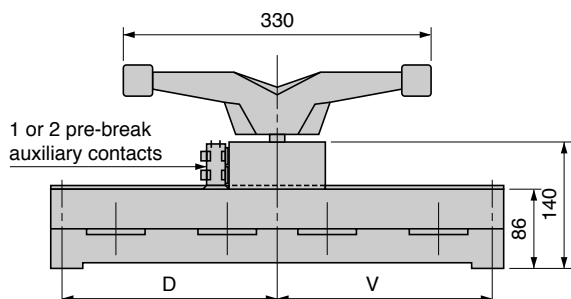
LK31-	Rating	A	A1	A2	B	C	Dc	E	F	H	H1	J	K	ØL
BC30	3 x 160 A	175	140	35	135	120	93-156	65	48.5	47.5	40	120	65	5.5
BC●0	4 x 160 A	205	170	35	135	120	93-156	65	48.5	47.5	40	150	65	5.5
BG30	3 x 250 A	185	180	5	160	130	103-166	75	58.5	60	50	160	80	5.5
BG●0	4 x 250 A	235	230	5	160	130	103-166	75	58.5	60	50	210	80	5.5
BJ30	3 x 315 A	230	230	—	235	165	138-200	110	83.5	82.5	75	210	140	7
BJ●0	4 x 315 A	290	200	—	235	165	138-200	110	83.5	82.5	75	270	140	7
BN30	3 x 400 A	230	230	—	235	165	138-200	110	83.5	82.5	75	210	140	7
BN●0	4 x 400 A	290	290	—	235	165	138-200	110	83.5	82.5	75	270	140	7
BS30	3 x 630 A	230	230	—	260	165	138-200	110	83.5	70	75	210	140	7
BS●0	4 x 630 A	290	290	—	260	165	138-200	110	83.5	70	75	270	140	7

LK31-	Rating	M	N	O	P	R	S	T	U	V	W	ØX	Y	Z
BC30	3 x 160 A	15	75	45	36	20	25	3.5	115	28	20	9	20.5	10
BC●0	4 x 160 A	15	75	75	36	20	25	3.5	115	22	20	9	20.5	10
BG30	3 x 250 A	20	105	55	50	25	30	3.5	130	33	27	11	22.5	15
BG●0	4 x 250 A	20	105	105	50	25	30	3.5	130	33	27	11	22.5	15
BJ30	3 x 315 A	30	135	75	65	32	37.5	5	205	42.5	37.5	11	36	15
BJ●0	4 x 315 A	30	135	135	65	32	37.5	5	205	37.5	37.5	11	36	15
BN30	3 x 400 A	30	135	75	65	32	37.5	5	205	42.5	37.5	11	36	15
BN●0	4 x 400 A	30	135	135	65	32	37.5	5	205	37.5	37.5	11	36	15
BS30	3 x 630 A	30	135	75	65	40	50	6	220	42.5	37.5	13	36.5	20
BS●0	4 x 630 A	30	135	135	65	40	50	6	220	37.5	37.5	13	36.5	20

Switch disconnectors

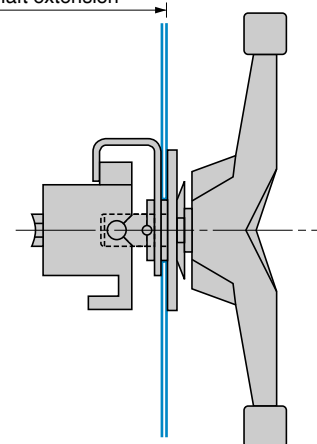
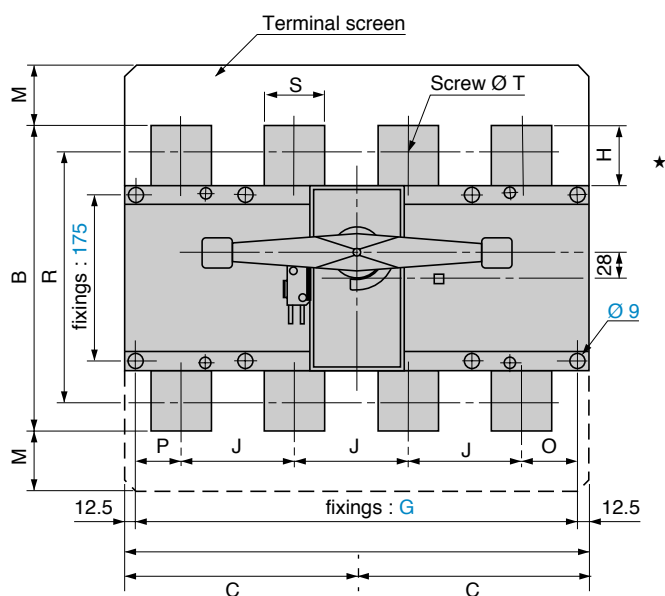
Load break switch disconnectors type LK3, 40 - 1250 A
Dimensions for 3 and 4-pole switch disconnectors

Direct operation

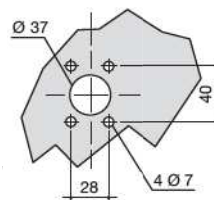


External operation

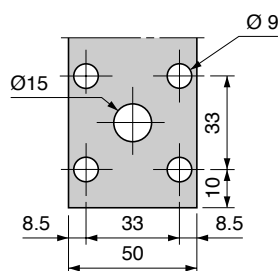
Switch-disconnector
base 212 ± 1 or
maximum of 412 mm
with shaft extension



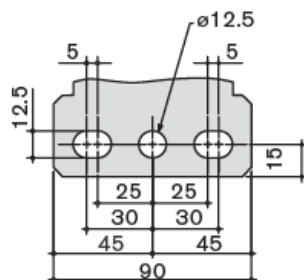
Door drilling



800 A terminal lugs



1250 A terminal lugs



LK3-	Rating	A	B	C	G	H	J	M	O	P	R	S	V	W
BV30	3 x 800 A	280	320	127.5	255	60	80	70	47.5	47.5	267	50	127.5	6
BV40	4 x 800 A	360	320	167.5	335	60	80	70	47.5	47.5	267	50	167.5	6
CD30H	3 x 1250 A	372	288	173.5	347	44	120	86	53.5	53.5	253	90	173.5	8
CD40H	4 x 1250 A	492	330	233.5	467									

Selection:
pages 5/26 and 5/27

Characteristics:
pages 5/28 and 5/29

References:
pages 5/30 to 5/32