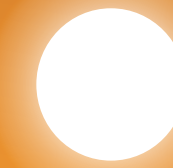


[www.cmkl.co.in](http://www.cmkl.co.in)  
[www.iecgensets.com](http://www.iecgensets.com)



 **CMKL**

Power Delivered

Electrical Division of IEC



Power Delivered



Power Delivered

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**SOLUTIONS FOR**  
**POWER**  
**DISTRIBUTION**

# ABOUT US

## WE DELIVER SAFE POWER

*Core Metal Krafts Ltd. (Electrical division of IEC) is an ISO 9001:2015, ISO 14001:2015 certified company.*

*Over the past decade, we have emerged as a strategic solution provider for safe Power Distribution, Control, Automation & Energy Management Solutions based on Power Factor & Harmonic Filtrations*

*Our Product Line Includes*

*Distribution Panels for Construction & Infrastructure | Diesel Gensets | PCC & MCC Automation & Drive Panels | APFC Panels & Harmonics Filtration Solutions | Busducts Bus-Trunking | General Purpose Enclosure | MCB Distribution Boards | MCBs | Isolators On Load changeovers*



# INFRASTRUCTURE

Equipped with the latest hi-tech CNC & Special Application Machines, the facility leverages to incorporate required quick design enhancements & substantiate flexible capacity to meet market requirement surges.



Liquid PU Gasket



CNC Turret Punch Press

# ENERGETICA Range Construction, Infra, Solar Power Distribution Solutions & MCB DBs

Vast range of Distribution Solutions for safe power through Modular Polycarbonate / CRCA / Stainless Steel enclosures for Distribution, Power Plug & Socket System. Extensive Range of CRCA General Purpose Enclosure Systems & MCB DBs are available as standard offerings. Stainless Steel Enclosures are also available against specific requirements.



Poly Carbonate Modular DBs



MCB Distribution Boards



Plug & Socket DBs



Solar Power Distribution Boards

# PCCs (Power Control Centers) & MCCs (Motor Control Centers)

ENCLOSURE - CRCA 1.6 MM/ 2 MM | IP - 42/54/55 | Form - 2B/3B/4B

Gasketing - Liquid PU Gasket | Busbar System - Aluminum / CU | Surface

Coating - Phosphated / Powder Coated | Type Tests -

Short Circuit Withstand upto 70 KA for 1sec confirming to IS8623

(Part1-1993) | Temperature Rise Test Confirming to IS8623

(Part1-1993) | IP Test 54/55 | Routine Tests -

High Voltage Test | Insulation Resistance Test |

Continuity & Functional Tests | Interleaved

Main Busbar System as Part of special offerings

All live parts are shrouded for safe operations



# TTA Panels

TI Range - Conforming to IEC 61439-1&2 (Under License from Larsen & Toubro Ltd.)

Applicable Standards: IEC61439 Part 1&2 | Rated Operational voltage: 415 - 690 VAC, 24 - 220 VDC | Rated Current Main Horizontal Busbar: upto 5000A | Rated Short time withstand current: upto 70 KA, 1sec | Rated Current Vertical Busbar: 3000A

Rated short time withstand current: upto 70 KA, 1sec

Degree of Protection: IP 42/5X\* | Busbar System: Aluminum/CU

Form of separation: 3b/4b | Surface Treatment: Phosphated & Powder Coated Compliance to Internal Arc,

Sesimic & Impact resistance of IK10

\*on Request



# Installations



Mall



Automobile



Textile

**STANDARD  
DEVICES**

**ENERGETICA**



*General Purpose Enclosures | Distribution Boxes | SPN | Row DBs | Horizontal TPN | Vertical  
TPN | Vertical TPN-Split Form | MCBs | Isolators | On Load Changeovers*



# Enclosure System, SPN & TPN MCB DB



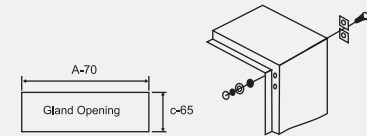
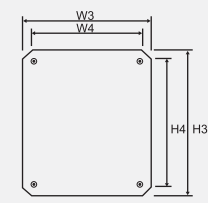
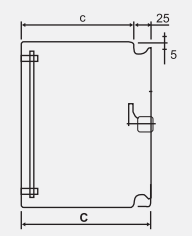
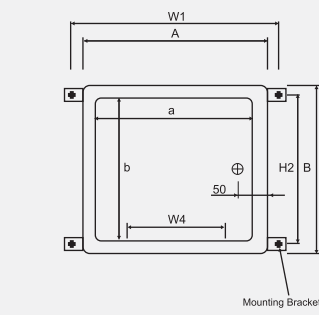
## Enclosure System

CAT No.	OVERALL SIZE			OPENING DEPTH			MOUNTING HOLE POSITIONS		MOUNTING PLATE HOLE SIZE			
	A	B	C	a	b	c	W1	H2	W3	H3	W4	H4
ECLC 203015	200	300	150	144	250	125	250	230	150	230	120	176
ECLC 253015	250	300	150	194	250	125	300	230	200	230	170	176
ECLC 303015	300	300	150	244	250	125	350	230	250	230	220	176
ECLC 303020	300	300	200	244	250	175	350	230	250	230	220	176
ECLC 304015	300	400	150	244	350	125	350	330	250	330	220	276
ECLC 304020	300	400	200	244	350	175	350	330	250	330	220	276
ECLC 403015	400	300	150	344	250	125	450	230	350	230	320	176
ECLC 403020	400	300	200	344	250	175	450	230	350	230	320	176
ECLC 404015	400	400	150	344	350	175	450	330	350	330	320	276
ECLC 404020	400	400	200	344	350	175	450	330	350	330	320	276
ECLC 405015	400	500	150	344	450	125	450	430	350	430	320	376
ECLC 405020	400	500	200	344	450	175	450	430	350	430	320	376
ECLC 406020	400	600	200	344	550	175	450	530	350	530	320	476
ECLC 506020	500	600	200	444	550	175	550	530	450	530	420	476
ECLC 507020	500	700	200	444	650	175	550	630	450	630	420	576
ECLC 507030	500	700	300	444	650	275	550	630	450	630	420	576
ECLC 604020	600	400	200	544	350	175	650	330	550	330	520	276
ECLC 604030	600	400	300	544	350	275	650	330	550	330	520	276
ECLC 605020	600	500	200	544	450	175	650	430	550	430	520	376
ECLC 606020	600	600	200	544	550	175	650	530	550	530	520	476
ECLC 606030	600	600	300	544	550	275	650	530	550	530	520	476
ECLC 607020	600	700	200	544	650	175	650	630	550	630	520	576
ECLC 608020	600	800	200	544	750	175	650	730	550	730	520	676
ECLC 608030	600	800	300	544	750	275	650	730	550	730	520	676
ECLC 601020	600	1000	200	544	950	175	650	930	550	930	520	876
ECLC 601030	600	1000	300	544	950	275	650	930	550	930	520	876
ECLC 808030	800	800	300	744	750	275	850	730	750	730	720	676
ECLC 801020	800	1000	200	744	950	175	850	930	750	930	720	876
ECLC 801025	800	1000	250	744	950	225	850	930	750	930	720	876
ECLC 801030	800	1000	300	744	950	275	850	930	750	930	720	876

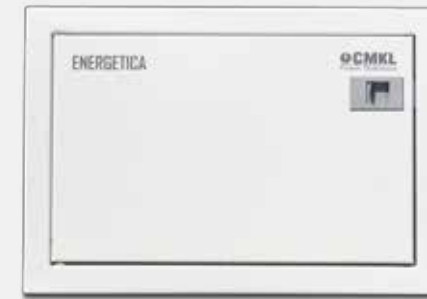
\*Product improvement is continuous process, change in dimensions / designs can be implemented without prior notifications.

### Specifications / Features:

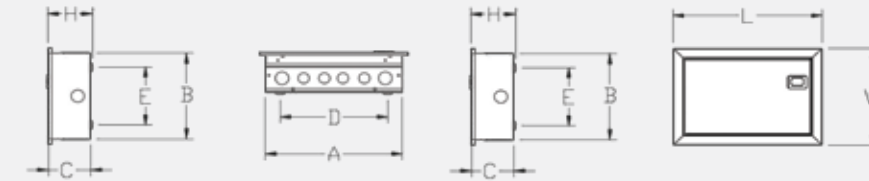
Range : (W x H x D in mm) : 200 x 300 x 150 through 800 x 1000 x 300 • Available in IP 54 & IP 55 degree of protection (As per order Specification) • Fabricated using CRCA sheet steel: Body and Door - 1.2mm thickness upto 500 x 400 x 200 and 1.6 mm thickness beyond; Mounting plate and Gland plate - 1.6/2 mm thickness • Powder coated paint finish: Body - RAL 7035 Structure finish/ Smoke Glossy finish; Mounting plate - Electro galvanized / Deep orange (RAL 2000) • PU Gasket for superior and long lasting ingress protection • Gland plate provided at bottom for IP 54 & IP 55 • Wall mounting brackets provided as standard accessory • Customised Solutions • Ability to meet special requirements like non standard sizes, colours, door configuration, locking arrangement



## SPN MCB DB - Projection Type



No. of Ways	I/C+O/G	Cat No.
2+4	2+4	ECLS0204P
2+6	2+6	ECLS0206P
2+8	2+8	ECLS0208P
2+12	2+12	ECLS0212P
2+16	2+16	ECLS0216P



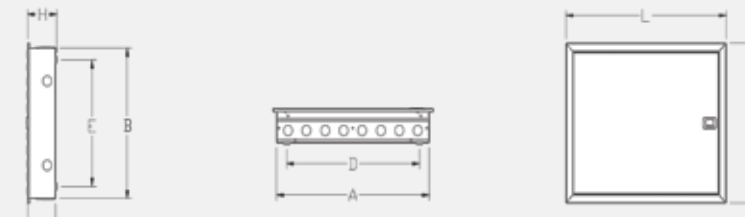
### SPN DBs - Projection Type

TYPE	SPN BOX WITHOUT DOOR			MOUNTING HOLE		SPN BOX WITH DOOR			TOP		BOTTOM		SIDE (LH+RH)		THICKNESS in 'MM' BOX, TRAY, DOOR & SIDE PLATE
	A	B	C	D	E	H	L	W	Ø26	Ø31	Ø26	Ø31	Ø26	Ø31	
2+4-WAY	216	215	96	126	150	101	236	235	3		3		0	1+1	1/1.2
2+6-WAY	252	215	96	162	150	101	272	235	2	2	2	2	0	1+1	1/1.2
2+8-WAY	288	215	96	198	150	101	308	235	3	2	3	2	0	1+1	1/1.2
2+12-WAY	360	215	96	270	150	101	380	235	4	2	4	2	0	1+1	1/1.2
2+16-WAY	432	215	96	342	150	101	452	235	5	2	5	2	0	1+1	1/1.2

\*Adjustable DIN RAIL \*Surface Type version Available

## TPN MCB DB - Projection Type

No. of Ways	I/C+O/G	Cat No.
4	4 + 12	ECLT0412P
6	8 + 18	ECLT0818P
8	8 + 24	ECLT0824P
12	8 + 36	ECLT0836P



### TPN DBs - Projection Type

TYPE	TPN BOX WITHOUT DOOR			TPN BOX WITH DOOR					TOP		BOTTOM		SIDE (LH+RH)		THICKNESS in 'MM' BOX, TRAY, DOOR & SIDE PLATE
	A	B	C	D	E	H	L	W	Ø26	Ø31	Ø26	Ø31	Ø26	Ø31	
4-WAY	300	445	100	190	380	105	320	465	4		4		2+2		1/1.2
6-WAY	390	445	100	280	380	105	410	465	6		6		2+2		1/1.2
8-WAY	444	445	100	334	380	105	464	465	6		6		2+2		1/1.2
12-WAY	588	445	100	478	380	105	608	465	8		8		2+2		1/1.2

\*Adjustable DIN RAIL \*Surface Type version Available

### Specifications & Features:

Sliding Type Latch • Powder Coated Glossy Surface RAL 7035 • Neutral BAR Provided • Earth BAR Provided • Adjustable Painted Din Rail Mounting Assembly • Spacious Enclosures for Ease of Operation • Confirming to IEC 61439-3, IS 13032 & IS8623 • Range: SPN - 4, 6, 8, 12 & 16W, TPN - TPN - 4, 6, 8 & 12W

# Vertical MCB DB & Row MCB DB (Projection & Surface Type)

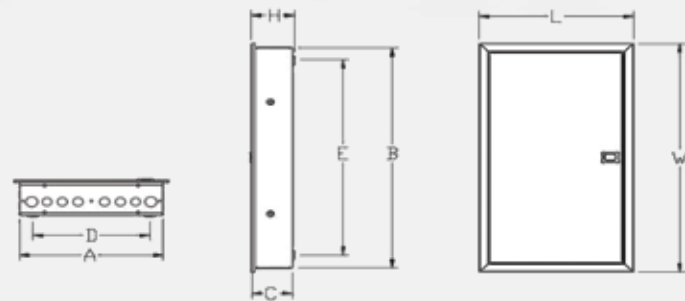
## Vertical MCB DB



Short circuit tested for 20 KA-500msec



No. of Ways	I/C+O/G	Cat No.
4	4+12	ECLV0412P
6	4+18	ECLV0418P
8	4+24	ECLV0424P
12	4+36	ECLV0436P



## VERTICAL TPN DBs - Projection Type

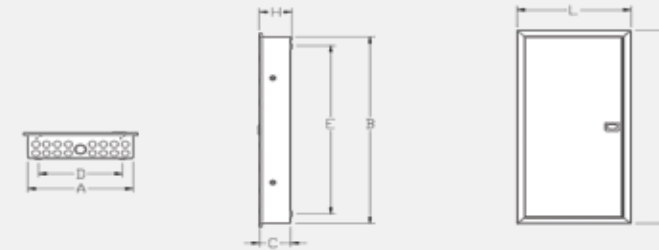
TYPE	BOX WITHOUT DOOR			BOX WITH DOOR				TOP		BOTTOM		SIDE (LH+RH)		THICKNESS in 'MM'	
	A	B	C	D	E	H	L	W	Ø26	Ø31	Ø26	Ø31	Ø26	Ø31	BOX, DOOR & TRAY
4 - WAY	395	450	106	285	385	110	415	470	6	2	6	2	0	2+2	1.2
6 - WAY	395	504	106	285	439	110	415	524	6	2	6	2	0	2+2	1.2
8 - WAY	395	558	106	285	493	110	415	578	6	2	6	2	0	2+2	1.2
12 - WAY	395	666	106	285	601	110	415	686	6	2	6	2	0	2+2	1.2

### Specifications / Features:

Sliding Type Latch • Powder Coated Glossy Surface RAL 7035 • Neutral BAR Provided • Earth BAR Provided • Adjustable Painted Din Rail Mounting Assembly • Spacious Enclosures for Ease of Operation • Confirming to IEC 61439-3, IS 13032 & IS8623 • Range: 4, 6, 8 & 12W

## ROW MCB DB - Projection Type

No. of Row	No. of Ways	I/C+O/G	Cat No.
2	12	24	ECLR0212P
3	12	36	ECLR0312P
4	12	48	ECLR0412P
5	12	60	ECLR0512P
6	12	72	ECLR0612P



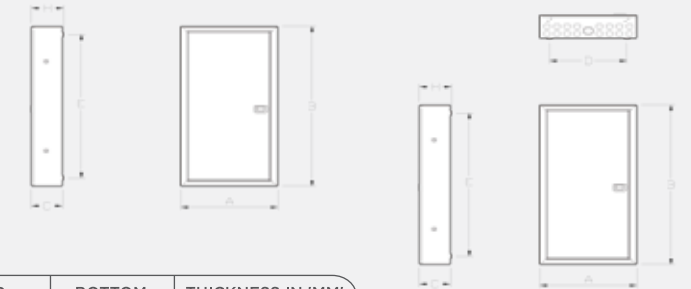
## 12 WAY ROW DB ADJUSTABLE - Projection Type

TYPE	BOX WITHOUT DOOR			MOUNTING HOLE		BOX WITH DOOR			TOP		BOTTOM		THICKNESS IIN 'MM'
	A	B	C	D	E	H	L	W	Ø26	Ø38	Ø26	Ø38	BOX, TRAY, DOOR & SIDE PLATE
2 - ROW	370	445	100	260	380	105	390	465	12	1	12	1	1.2
3 - ROW	370	595	100	260	530	105	390	615	12	1	12	1	1.2
4 - ROW	370	745	100	260	680	105	390	765	12	1	12	1	1.2
5 - ROW	370	895	100	260	830	105	390	915	12	1	12	1	1.2
6 - ROW	370	1045	100	260	980	105	390	1065	12	1	12	1	1.2

\*Adjustable DIN RAIL \*Surface Type version Available

## ROW MCB DB - Surface Type

No. of Row	No. of Ways	I/C+O/G	Cat No.
2	16	32	ECLR0216SF
3	16	48	ECLR0316SF
4	16	64	ECLR0416SF
5	16	80	ECLR0516SF
6	16	96	ECLR0616SF



## 16 WAY ROW DBs - Surface Type

TYPE	BOX WITHOUT DOOR			BOX WITH DOOR			TOP		BOTTOM		THICKNESS IN 'MM'
	A	B	C	D	E	H	Ø26	Ø38	Ø26	Ø38	BOX, DOOR & TRAY
2 - ROW	430	445	100	320	380	105	16	1	16	1	1.2
3 - ROW	430	595	100	320	530	105	16	1	16	1	1.2
4 - ROW	430	745	100	320	680	105	16	1	16	1	1.2
5 - ROW	430	895	100	320	830	105	16	1	16	1	1.2
6 - ROW	430	1045	100	320	980	105	16	1	16	1	1.2

\*Adjustable DIN RAIL Projection type version available

### Specifications & Features:

Sliding Type Latch • Powder Coated Glossy Surface RAL 7035 • Neutral BAR Provided • Earth BAR Provided • Adjustable Painted Din Rail Mounting Assembly • Spacious Enclosures for Ease of Operation • Confirming to IEC 61439-3, IS 13032 & IS8623 • Range: 12WAY - 1, 2, 3, 4, 5 & 6 ROW; 16WAY - 2, 3, 4, 5 & 6 ROW

# MCB, Isolator & On-load Changeovers

## MCB



Standard Conformity: IS/IEC 60898-1:2002,  
 Rated Current (In): 0.5 A - 63A | Poles:  
 SP, SP+N, DP, TP, TP+N, FP | Tripping Characteristic: B and C |  
 Rated Short Circuit Capacity: 10,000 A | Rated Voltage (Un): 240/415V - AC | Rated Frequency: 50Hz | Terminal  
 Capacity: 35 sq.mm | Ambient Working Temperature: -5° C to 50° C | Protection Class: IP20 | Relative Humidity:  
 95% | Design: Current Limiting Design | Chassis: Moulded, Flame Retardant Plastic | Tripping Mechanism: Manual  
 and Trip Free Mechanism | Contact Position  
 Indication: Yes | Knob Pad Locking: Yes | Termination: Bi-Connect (Bus Bar + Cable)  
 Mounting: Din-rail mounted 35 x 7.5mm

## Isolator



Conformity Standard: IS / IEC 60947-3 | Poles: SP,DP,TP,FP | Current Rating In:  
 40, 63, 100 & 125 Amp | Rated Voltage: 240/415V-AC | Rated Frequency: 50  
 Hz | Electrical / Mechanical Operation: 20,000 Operations | Contact Position  
 Indication: Yes | Protection Class: IP 20 | Termination: Bi-connect (Bus Bar+Cable)  
 Mounting: Clip On Din (35 x 7.5 mm) | Installation Position: Vertical/ Horizontal  
 | Chassis Material: Moulded / Flame Retardant Plastic

## On-load Changeover



### PRODUCT FEATURES:

Range 63A-630 A | Confirming To IS13947-1&3/IEC60947-1&3 | Compact Size, Quick Make & Break  
 Mechanism | High Electrical & Mechanical Operations Life | Load & Line Reversibility | Door Interlock and  
 Padlock Facility | Enclosed Housing for Dust Ingress Protection Tereminal Suitable for Cable Or Busbar  
 Termination | Optional Phase Separators & Add-on Auxilary Switch

Frame Size	Rating	Open Execution Product Code	With Enclosure (powder Coated CRCA )
00	63 A	ENCS00-OP-63	ENCS00-MC-63
00	80 A	ENCS00-OP-80	ENCS00-MC-80
00	100 A	ENCS00-OP-100	ENCS00-MC-100
01	100 A	ENCS01-OP-100	ENCS01-MC-100
01	125 A	ENCS01-OP-125	ENCS01-MC-125
01	160 A	ENCS01-OP-160	ENCS01-MC-160
01	200 A	ENCS01-OP-200	ENCS01-MC-200
02	250 A	ENCS02-OP-250	ENCS02-MC-250
02	320 A	ENCS02-OP-320	ENCS02-MC-320
02	400 A	ENCS03-OP-400	ENCS03-MC-400
03	630 A	ENCS03-OP-630	ENCS03-MC-630

# CERTIFICATION & CLIENTELE



## Marketing Platforms Accreditations:

