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Fax: 020 2712 2933
E-mail: stc-pune@Lntebg.com



Lucknow

Larsen & Toubro Limited
Switchgear Training Centre,
C - 6 & 7, UPSIDC
P. O. Sarojinagar, Lucknow - 226 008
Tel: 0522 247 6015 / 97944 54455
Fax: 0522 247 6015
E-mail: stc-lucknow@Lntebg.com



Coonoor

Larsen & Toubro Limited
Switchgear Training Centre,
Ooty-Coonoor Main Road
Yellanahalli P.O., The Nilgiris - 643 243
Tel. : 0423 251 7107
Fax : 0423 251 7158
E-mail: stc-coonoor@Lntebg.com



Vadodara

Larsen & Toubro Limited
Switchgear Training Centre
Behind L&T Knowledge City,
Near Village Ankhol,
Vadodara - 390019
Tel: 0265 2457805
E-mail: stc-vadodara@Lntebg.com



Delhi

Larsen & Toubro Ltd
Switchgear Training Centre
32, Shivaji Marg,
Near Motinagar Metro Station,
New Delhi - 110015
Tel: 011 41419515 / 41419695 / 41419500
Fax: 011 41419600
E-mail: stc-delhi@Lntebg.com



Kolkata

Larsen & Toubro Limited
Switchgear Training Centre
4th Floor, 3B, Shakespeare Sarani,
Kolkata - 700071
Tel: 033 42005975 / 42005978
E-mail: stc-kolkata@Lntebg.com

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Note:

Colour of HSN code signifies below

[Green colour : 18%* GST]

[Red colour : 28%* GST]

* Subject to change as per Govt. notification

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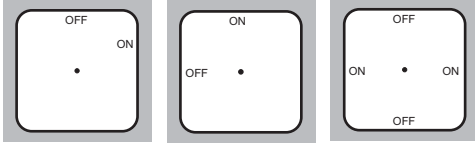
Please refer ESP Price List for details.

Customer Interaction Center (CIC)

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 Tel: 022 6774 5858 Fax: 022 6774 5859 Email: cic@Lntebg.com Web: www.Lntebg.com

Rotary Switches

Cam Operated Rotary Switches [8536]



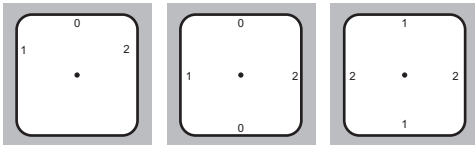
Isolators Switches (ON-OFF Switches)



60° Operation	90° Operation	90° Operation Complete Rotation	Description	M.R.P. (₹) Per Unit									
				6A	10A	16A	25A	32A	40A	63A	100A	200A	
Cat. No.													
61001	61191	61195	1 Pole ON - OFF	121	230	277	299	373	475	555	2917	3766	
61002	61192	61198	2 Pole ON - OFF	155	263	316	366	433	574	710	3646	4907	
61003 [§]	-	-	3 Pole ON - OFF	169	350	568	691	768	962	1383	4937	6434	
-	61199	61197		169	316	370	480	534	670	961	4488	6129	
61004	61194	61196	4 Pole ON - OFF	208	356	395	583	623	757	1142	5198	7288	

Offered upto 12 Pole

§ Motor Duty Switch (AC-3 Duty)

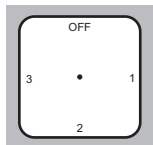


Changeover Switches (Local - Remote, Auto - Manual Switches)



With Center OFF (60°)	With OFF (90°)	Without OFF (90°) with Complete Rotation	Description	M.R.P. (₹) Per Unit								
				6A	10A	16A	25A	32A	40A	63A	100A	200A
Cat. No.												
61025	61151	61037	1 P 2W	155	290	347	373	416	555	751	3766	5447
61026	61152	61038	2 P 2W	208	350	395	502	583	762	1142	5514	8300
61027	61153	61039	3 P 2W	256	434	529	757	819	961	1535	7140	10621
61028	61154	61040	4 P 2W	316	506	609	993	1048	1156	1924	9016	13259

Phase Changeover (PS Series Switches)



Cat. No.	Description	M.R.P. (₹) Per Unit			
		25A	32A	40A	63A
61060	1 P 3W with OFF	357	445	650	732

Phase Changeover in SS enclosure

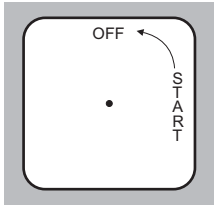


Cat. No.	Description	M.R.P. (₹) Per Unit			
		25A	32A	40A	63A
72347P □ M17TDYR.	PS Series Switches in SS enclosure	2430	2560	3785	3875

Note : Prices are available on request for higher than 4 Pole ON-OFF version. Please contact nearest L&T branch office for prices.

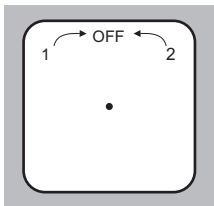
Spring Return Switches [8536]

ON - OFF Spring Return Switches



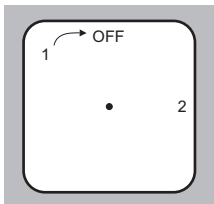
Description	Cat. No.	M.R.P. (₹) Per Unit	
		16A	25A
1 P ON - OFF	61351	596	904
2 P ON - OFF	61352	623	1023
3 P ON - OFF	61353	709	1224
4 P ON - OFF	61354	836	1337

Double Throw with Spring Return Switches



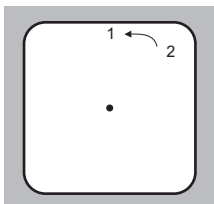
Description	Cat. No.	M.R.P. (₹) Per Unit	
		16A	25A
1 P 2W W/OFF Spring Return	61361	623	1023
2 P 2W W/OFF Spring Return	61362	919	1337
3 P 2W W/OFF Spring Return	61363	1004	1665

One Side Spring Return Switches



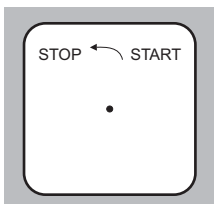
Description	Cat. No.	M.R.P. (₹) Per Unit	
		16A	25A
1 P 3W Spring Return - OFF from 1	61364	569	1023
2 P 3W Spring Return - OFF from 1	61365	836	1337
3 P 3W Spring Return - OFF from 1	61369	910	1665

Spring Return Switches without OFF



Description	Cat. No.	M.R.P. (₹) Per Unit	
		16A	25A
1 P 2W Spring Return - from 2 to 1	61371	569	1023
2 P 2W Spring Return - from 2 to 1	61372	836	1337
3 P 2W Spring Return - from 2 to 1	61373	910	1665

Start Stop Spring Return Switches

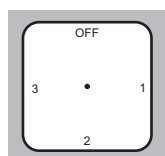


Description	Cat. No.	M.R.P. (₹) Per Unit	
		16A	25A
1 P Start Stop Spring Return	61300	709	1033
2 P Start Stop Spring Return	61388	836	1337

Multi Step Switches [8536]

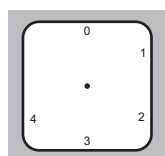


Multi Step Switches with OFF



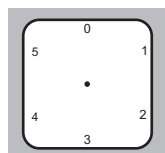
3 Way

Description	Cat. No.	M.R.P. (₹) Per Unit								
		6A	10A	16A	25A	32A	40A	63A	100A	200A
1 P 3W	61060	183	330	363	PS Series Switches (Refer page no. 2)				3827	5813
2 P 3W	61080	256	387	442	595	644	926	1042	5628	8888
3 P 3W	61100	370	519	750	887	967	1236	1608	7349	11668
4 P 3W	61131	470	664	910	1108	1216	1654	1931	9285	14630



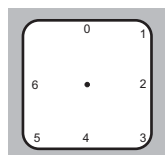
4 Way

1 P 4W	61061	214	297	529	629	697	792	1074	***	***
2 P 4W	61081	370	558	623	664	771	***	1257	***	***
3 P 4W	61101	509	***	992	1108	1272	***	1931	13592	17550
4 P 4W	61132	616	1043	1259	1330	1420	1876	2228	19069	***



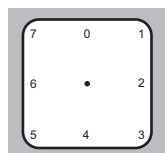
5 Way

1 P 5W	61062	234	473	609	784	797	***	1149	***	***
2 P 5W	61082	428	729	811	1068	1257	1290	1614	***	***
3 P 5W	61102	569	1338	1405	1513	***	1864	2183	18092	***



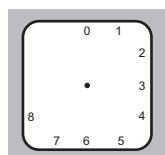
6 Way

1 P 6W	61063	309	***	589	***	812	839	***	***	***
2 P 6W	61083	509	***	858	***	***	***	***	***	***
3 P 6W	61103	709	***	1618	1782	***	***	2248	***	***



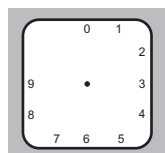
7 Way

1 P 7W	61064	316	546	637	797	834	866	1344	***	***
2 P 7W	61084	534	***	843	1250	**	1330	2135	***	***
3 P 7W	61104	736	***	1364	1641	***	2512	2957	***	***



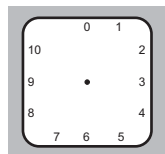
8 Way

1 P 8W	61065	357	***	631	1095	***	1372	***	***	***
2 P 8W	61085	584	***	1150	***	***	***	***	***	***



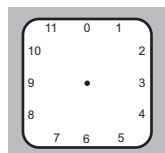
9 Way

1 P 9W	61066	370	***	***	***	***	***	***	***	***
2 P 9W	61086	663	***	1685	***	***	***	***	***	***



10 Way

1 P 10W	61067	428	***	878	***	***	***	***	***	***
2 P 10W	61087	684	***	***	***	***	***	***	***	***

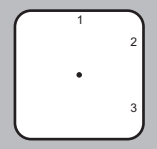
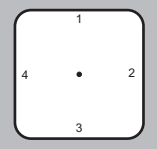
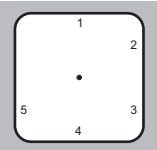
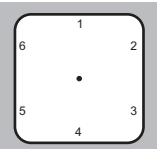
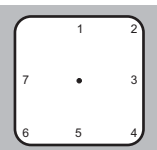
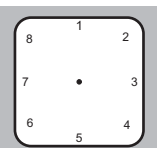
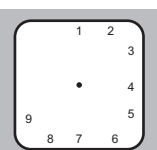
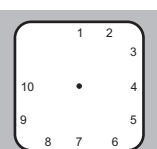
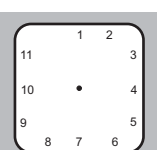
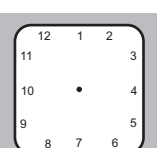


11 Way

1 P 11W	61068	509	***	803	2038	***	***	***	***	***
2 P 11W	61088	777	***	***	***	***	***	***	***	***

***Prices are available on request.

Multi Step Switches without OFF

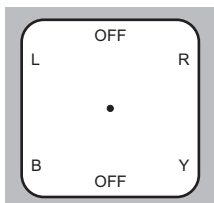
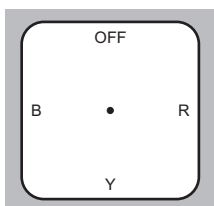
	Description	Cat. No.	M.R.P. (₹) Per Unit								
			6A	10A	16A	25A	32A	40A	63A	100A	200A
 3 Way	1 P 3W W/O OFF	61049	174	317	372	460	480	738	834	***	***
	2 P 3W W/O OFF	61069	256	480	517	887	***	926	1095	5628	***
	3 P 3W W/O OFF	61089	370	597	777	887	967	***	1608	***	11780
	4 P 3W W/O OFF	61120	470	664	898	1128	1201	2639	2909	***	***
 4 Way	1 P 4W W/O OFF	61050	196	342	449	555	583	805	1121	3827	***
	2 P 4W W/O OFF	61070	288	499	529	656	716	967	1257	5913	9550
	3 P 4W W/O OFF	61090	390	487	843	1048	1156	1265	1689	7788	12875
	4 P 4W W/O OFF	61121	544	664	983	1265	1344	1689	2255	9569	16291
 5 Way	1 P 5W W/O OFF	61051	234	359	484	623	***	***	***	***	***
	2 P 5W W/O OFF	61071	428	***	663	***	***	***	***	***	12099
	3 P 5W W/O OFF	61091	569	***	1405	1513	***	1547	2248	***	***
 6 Way	1 P 6W W/O OFF	61052	250	***	604	696	797	932	1177	5628	11015
	2 P 6W W/O OFF	61072	497	***	816	1242	1277	1290	1649	11216	14414
	3 P 6W W/O OFF	61092	604	1253	1405	1452	1500	1682	2248	19069	30149
 7 Way	1 P 7W W/O OFF	61053	309	***	***	824	***	***	***	9920	***
	2 P 7W W/O OFF	61073	534	***	910	1265	***	***	***	***	***
	3 P 7W W/O OFF	61093	736	***	1505	1914	***	***	3026	***	***
 8 Way	1 P 8W W/O OFF	61054	316	650	684	834	878	973	1420	***	***
	2 P 8W W/O OFF	61074	563	***	1150	1265	***	***	***	***	***
	3 P 8W W/O OFF	61094	790	***	1644	1723	1755	2013	3178	***	***
 9 Way	1 P 9W W/O OFF	61055	370	***	1090	***	***	***	***	***	***
	2 P 9W W/O OFF	61075	623	***	1036	***	***	***	***	***	***
 10 Way	1 P 10W W/O OFF	61056	395	689	1211	***	***	***	***	***	***
	2 P 10W W/O OFF	61076	691	***	***	***	***	***	***	***	***
 11 Way	1 P 11W W/O OFF	61057	731	***	***	***	***	***	***	***	***
	2 P 11W W/O OFF	61077	836	***	***	***	***	***	***	***	***
 12 Way	1 P 12W W/O OFF	61058	771	***	898	2106	2243	***	***	***	***
	2 P 12W W/O OFF	61078	904	***	***	***	***	***	***	***	***

***Prices are available on request.

Instrumentation Selector Switches [8536]

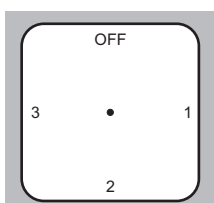
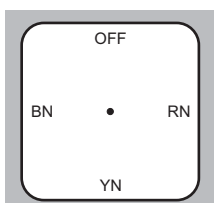
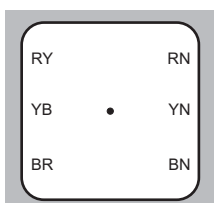
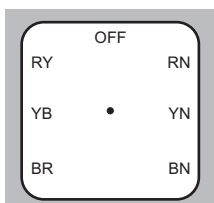
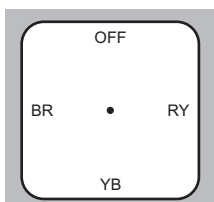


Ammeter Selector Switches (ASS)



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Line Currents with OFF with CT	61325 SAB13TDYR	6A	258
Line Currents with OFF with CT	61325 SBB13TDYR	10A	307
Line Currents with OFF with CT	61325 SCB03TDYR	16A	391
Line Currents with OFF without CT	71000 SCB03TDYR	16A	1122
Direct Currents with OFF without CT	71000 SEB03TDYR	25A	1265
Direct Currents with OFF without CT	71000 SFB03TDYR	32A	1520
Direct Currents with OFF without CT	71000 SGB03TDYR	40A	2670
Direct Currents with OFF without CT	71000 SIB03TDYR	63A	2816

Voltmeter Selector Switches (VSS)



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases with OFF	61312 SAB13TDYR	6A	186
Voltage between Phases with OFF	61312 SBB13TDYR	10A	279
Voltage between Phases with OFF	61312 SCB03TDYR	16A	353

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SAB13TDYR	6A	332
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SBB13TDYR	10A	559
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SCB03TDYR	16A	662

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phase & Phase to Neutral without OFF	61314 SBB13TDYR	10A	551

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases & Phase to Neutral without OFF	61311 SAB13TDYR	6A	332
Voltage between Phases & Phase to Neutral with OFF	61311 SBB13TDYR	10A	378

Ammeter & Voltmeter Combined Switch

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases to Neutral & Current of that Phase	61338 SBB13TDYR	10A	590



Control your breaker remotely
through TNC switch

Breaker Control Switches (Trip-Neutral-Close)

- 1NO+1NO, 2NO+2NC model available in 25A
- Barrel lock option available
- Lost motion contact (LMD) & Sequence Locking available



Customer Interaction Center (CIC)

BSNL / MTNL (toll free) : 1800 233 5858 Reliance (toll free) : 1800 200 5858

Tel : 022 6774 5858, Fax : 022 6774 5859 E-mail : cic@Lntebg.com / Website www.Lntebg.com

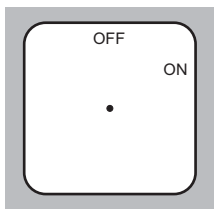
Breaker Control Switches (Trip - Neutral - Close)



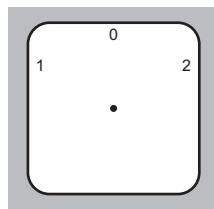
Rating	Contact Arrangement	Mounting Type	Cat. No.	M.R.P. (₹) Per Unit
25A	1NO + 1NC	Standard	73257SEB03PGGB	1064
25A	1NO + 1NC	Standard	73257SEB03PGYR	1064
25A	1NO + 1NC	Barrel Lock	73257SEB90PGBB	1424
25A	2NO + 2NC	Standard	72009SEB03PGBB	1253
25A	2NO + 2NC	Standard	72009SEB03PGYR	1253
25A	2NO + 2NC	Standard	72009SEB03PGGB	1253
25A	2NO + 2NC	Barrel Lock	72009SEB90PGBB	1727

Other option such as sequence inter lock (SIL) & lost motion device (LMD) available on request.

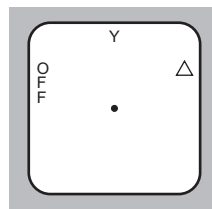
Motor Duty Switches



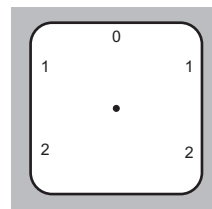
61003



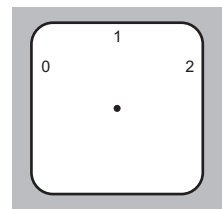
61211



61200



61217

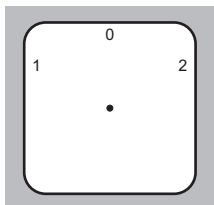


61212

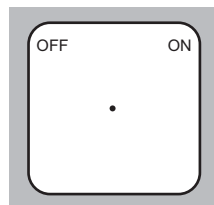
Description	Cat. No.	M.R.P. (₹) Per Unit						
		16A	25A	32A	40A	63A	100A	200A
ON - OFF Switch	61003	568	691	768	962	1383	4937	6434
FOR - OFF - REV Switch	61211	428	515	610	1589	1931	4920	7931
Star - Delta Switch	61200	569	726	912	1391	1782	***	***
2 Speed for FOR - OFF - REV Switch	61217	***	1313 [#]	***	2195	***	***	***
2 Speed forward Switch	61212	623	1196	1500	1884	2309	6154	7106

Supplied only with ball grip handle

Switches in Enclosure



73393, 71913



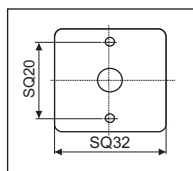
72244



Description	Cat. No.	Amps	M.R.P.
FOR - OFF - Rev in SS with ball grip handle	73393SCM17BGXB	16A	460
FOR - OFF - Rev in SS with ball grip handle	71913SEM17BGYR	25A	717
FOR - OFF - Rev in SS with ball grip handle	71913SFM17BGYR	32A	1054
3 Pole ON - OFF in SS	72244SEM17TDYR	25A	623
3 Pole ON - OFF in SS	72244SFM17TDYR	32A	909
3 Pole 2Way Without OFF in SS	61153SCM17TDYR	16A	872

For any other rating requirement please contact nearest L&T branch office

Rotary Switch Accessories [8538]



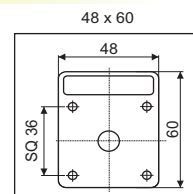
Front Plate Assembly

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Front Plate for 6 & 10A	FP10SQ32	32 x 32	25
Front Plate for 6 to 16A	FP16SQ48	48 x 48	26
Front Plate for 25 & 32A	FP32SQ64	64 x 64	46
Front Plate for 40 to 200A	FP200SQ88	88 x 88	74



Handles & Knobs

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Flag Handle for 6 - 10A	KNFHS1	32 x 32	7
Flag Handle for 16A	KNFHS2	48 x 48, 48 x 60	15
Flag Handle for 25 - 32A	KNFHS3	64 x 64, 64 x 80	26
Ball Handle for 16 - 32A	HNBHS1	64 x 64, 64 x 80	74
Ball Handle for 40 - 200A	HNBHS2	88 x 88, 104 x 104	74
PG Handle for 16 - 32A	HNPGS1	64 x 64, 64 x 80	79
Lever Handle for 40 - 200A	HNLVS1	88 x 88, 104 x 104	100
Tear Drop for 6 - 16A	KNTDS1	48 x 48, 48 x 60	15
Tear Drop for 16 - 32A	KNTDS2	64 x 64, 64 x 80	26
Tear Drop for 40 - 400A	KNTDS3	88 x 88, 104 x 104	53



Special Front Plate Assembly

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
SPL IND Plates upto 16A	FPRT4860	48 x 60	46
SPL IND Plates for 16 - 32A	FPRT6480	64 x 80	79

Script Plate (marking plate)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Script Plate for 6 - 10A	SPSQ32	32 x 32	7
Script Plate for 6 - 16A	SPSQ48	48 x 48	15
Script Plate for 16 - 32A	SPSQ64	64 x 64	17
Script Plate for 40 - 200A	SPSQ88	88 x 88	23
Script Plate for 6 - 16A	SPRT4816	48 x 16	7
Script Plate for 6 - 32A	SPRT6416	64 x 16	7

Mounting Plates (used for Back Fixing Plate)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Rear MTG Plate for 6 - 16A	MPSQ48	48 x 48	12
Rear MTG Plate for 25 - 32A	MPSQ64	64 x 64	17
Rear MTG Plate for 40 - 63A	MPSQ88	88 x 88	41
Rear MTG Plate for 80 - 400A	MPSQ104	104 x 104	79
DIN Rail Attachment upto 32A	B21DIN35	-	74

Wall Type Mounting Boxes (upto 32A - maximum 4 Contacts)

Description	Cat. No.	M.R.P. (₹) Per Unit
Plastic / ABS Enclosure B17 16A upto 3 Stage / 25A upto 2 Stage	WMBABS	522
Aluminium Enclosure B17 16A upto 3 Stage / 25A upto 2 Stage	WMBAL	869
SS Enclosure M17 upto 32A - 4 Stage	WMBSS	326



B31 PVC Enclosure

Note: Switches to be order separately.

Script Plate - Silver Finish (for Black Front Plate Assembly Only)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Silver Finish 48 x 48 mm	SFSQ48	48 x 48	15
Silver Finish 64 x 64 mm	SFSQ64	64 x 64	17
Silver Finish 88 x 88 mm	SFSQ88	88 x 88	23
Silver Finish 104 x 104 mm	SFSQ104	104 x 104	40

Shrouding Cover (maximum 6 Contacts Round Type)

Description	Cat. No.	M.R.P. (₹) Per Unit
Shrouding Cover for 6 - 10A	SHCS1	53
Shrouding Cover for 16A	SHCS2	53
Shrouding Cover for 25 - 32A	SHCS3	87
Shrouding Cover for 40 - 63A	SHCS4	87
Special Cover for Extended Termination 80 - 400A (maximum 2 Contact Stage)	SHCS5	635

Ordering Code for Rotary Switches

Example for : 25A 3 Pole ON - OFF Switch


	1. Programme Code			2. Type		3. Ampere		4. Mounting		5. Knob		6. Colour		
25A 3 Pole														
ON - OFF Switch	6	1	1	9	7	S	E	B	0	3	T	D	Y	R

1. Programme Code


Programme	Programme Code
Isolators	Pg. No. 3
Changeovers Switches	Pg. No. 3
Spring Return Switches	Pg. No. 4
Multistep Switches with OFF	Pg. No. 5
Multistep Switches without OFF	Pg. No. 6
Instrumentation Switches	Pg. No. 7
Motor Control Switches	Pg. No. 8
Switches in SS Enclosure	Pg. No. 8
Breaker Control Switches	Pg. No. 8

2. Type Selection


Type	Code
S-Series (6 to 400A)	S
Touch Proof (6 to 16A)	T
Rear Access Termination (16 to 63A)	R
Phase Selector Only for 1 Pole 3 Way with OFF (25 to 63A)	P
DC Switches (16 to 500A)	D



S Series
Open Version



TP Series
Touch Proof



RT Series
Touch Proof &
Rear Termination

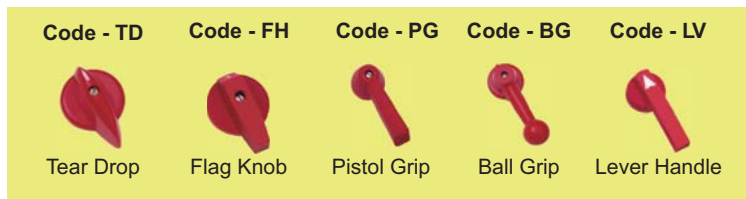
3. Ampere Selection

Ampere	Code	Ampere	Code
6	A	100	K
10	B	125	L
16	C	160	M
20	D	200	N
25	E	250	O
32	F	300	P
40	G	400	Q
50	H	500	R
63	I	600	S
80	J	800	T

4. Mounting Style



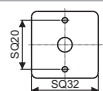
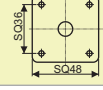
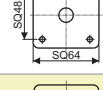
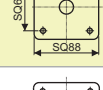

5. Knob / Handle Selection



6. Color Combination Selection Table



Front Plate

Standard Style	Frame Size	Bigger Style
Current Ratings 6/10 Amps		Current Ratings ---
16/20 Amps		6/10 Amps
25/32 Amps		16/20 Amps
S40 Amps & above		25/32 Amps
—		S40 Amps & above

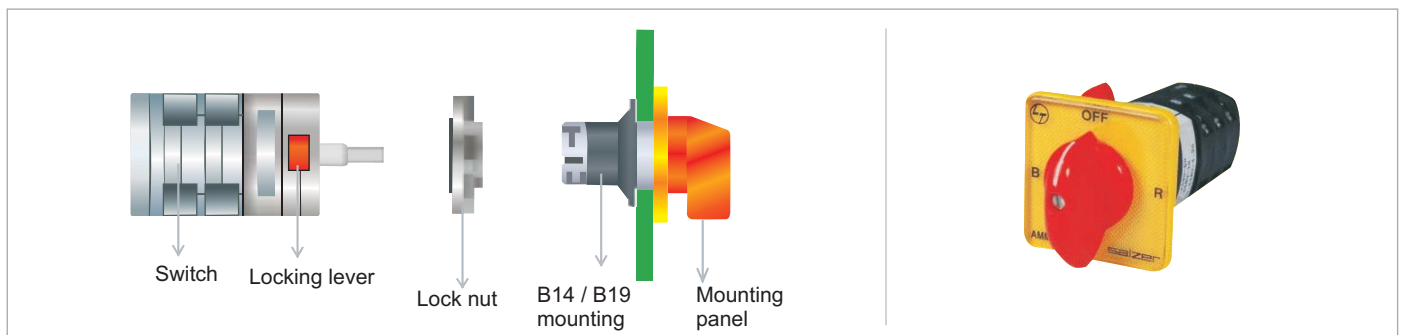
Note: 1. For ratings of 6/10A, standard mounting style is B13
2. Single hole mounting equivalent of B03 is B19 and B13 is B14.

Mounting Feasibility

Mounting Code	Description	Feasibility					
		6/10A	16/20A	25/32A	40/63A	80/100/125A	200/400A
B03	Front Mounting, Standard Mounting plate		✓	✓	✓	✓	✓
B13	Front Mounting with next size plate	✓	✓	✓	✓	✓	✓
B00	Front Mounting 48 x 48 plate for 25/32 A and 64 x 64 plate for 40/63A			✓	✓		
B19	Single Hole Mounting 32 x 32 plate for 6/10A only 48 x 48 Plate for 16-32A	✓	✓	✓			
B14	Single Hole Mounting 48 x 48 plate for 6/10A	✓					
B33	Front Mounting with Round Padlock for 2 Position (for Isolators)		✓	✓	✓	✓	✓
B30	Front Mounting with Rectangular Padlock 2 Position (for Isolators)		✓	✓	✓	✓	✓
B63	Key Lockable type (Handle/Knob)		✓	✓	✓		
B90	Center Key Lock (Pistol grip Handle in black color only)		✓	✓			
B02	Rear / (Back/Base) Mounting	✓	✓	✓	✓	✓	✓
B21	DIN Rail Mounting on 35 mm Rail 6-32 Amps	✓	✓	✓			
B32	Rear / Base Mounting, Door Interlock + Rectangular Padlock (B30+B42)		✓	✓	✓	✓	✓
B34	Rear / Base Mounting, Door Interlock + Round Padlock (B33+B42)		✓	✓	✓	✓	✓
B41	Rear Mounting with Clutch Mechanism on Door (Door Open in all position without Interlock)		✓	✓	✓	✓	✓
B42	Rear Mounting with Interlock Mechanism on Door		✓	✓	✓	✓	✓
F47	Door Clutch, Mounting Plate at front		✓	✓	✓	✓	✓
B17	ABS Enclosure	Max stages	upto 4	upto 3	upto 5	upto 5	
B31	ABS Enclosure with Round Padlock (B33+B17)	Max stages		upto 2	upto 2	upto 2	
M17	Metal Enclosure	Max stages	upto 4	upto 4	upto 3		
A17	Aluminium Enclosure	Max stages	upto 4	upto 3	upto 2		
B40	Single Hole Mounting with Padlock 48 x 48 Plate For 16-32A			✓	✓		
B43	Single Hole Mounting with Center key 48 x 48 Plate for 16-32A			✓	✓		
B45	Single Hole Mounting with Round Ring with Knob 16A-32A			✓	✓		

Single Hole Mounting Rotary Switch

Single hole mounting (SHM) range of rotary switches uses a unique mounting concept that requires just a single Ø22.5 cutout to mount the switches on the panel. These help in reducing the time and cost during assembly.



Benefits:

- **Single hole panel cutout** – makes easier for fitting on the panel
- **Easy mounting** – reduces assembly time by 50% over conventional 5 hole mounting
- **Wiring accessibility** – reduces wiring time, the switch can be wired separately and then snap fitted to the mounting assembly using the locking lever.

There is no additional price for switches with Single hole mounting from standard mounting.

EB - GEN Changeover Switches [8536]

3 Pole EB - GEN Changeover Switches



B13 Mounting

Description	Cat. No.	M.R.P. (₹) Per Unit			
		25A	32A	40A	63A
3 Pole C/O Front Panel Mounting	EBX31153B13BGYR	1602	1669	1947	2026
3 Pole C/O Rear Mounting	EBX31153MB42BGYR	1859	1926	2242	2312
3 Pole C/O in SS Enclosure	EBX31153SB31BGYR	2223	2284	2643	2722
3 Pole C/O Rear Mounting	EBX31153B21BGYR	1859	1926	2244	2312
3 Pole C/O Rear Mounting	EBX31153MB34LHGB	1859	1926	2242	2312
3 Pole C/O in ABS Enclosure	EBX31153B31LBGYR	2223	2284	2643	2722

4 Pole EB - GEN Changeover Switches



MB42 Mounting

Description	Cat. No.	M.R.P. (₹) Per Unit			
		25A	32A	40A	63A
4 Pole C/O Front Panel Mounting	EBX31154B13BGYR	1859	1926	2284	2351
4 Pole C/O Rear Mounting	EBX31154MB42BGYR	2095	2175	2568	2675
4 Pole C/O in SS Enclosure	EBX31154SB31BGYR	2479	2575	2987	3094
4 Pole C/O Rear Mounting	EBX31154B21BGYR	2095	2175	2568	2675
4 Pole C/O Rear Mounting	EBX31154MB34LHGB	2095	2175	2568	2675
4 Pole C/O in ABS Enclosure	EBX31154B31LBGYR	2479	2575	2987	3094

Rating Selection Table



SB31 Enclosure

Ampere (A)	Code (X)
25	E
32	F
40	G
63	I

Note : SB 31 Enclosure for 25A to 63A ratings.

B21 Mounting model is similar to B13 model with links provided on the common side.

*** - Please contact nearest L&T branch office.

Load Break Switches [8536]

- AC 23 utilization category
- Also available in enclosure
- Padlock facility to prevent accidental use
- Ideally used in buildings and for equipment isolation



LB 3 Pole ON - OFF Switches

Description	Cat. No.	Can also be given on request	M.R.P. (₹) Per Unit								
			16A	20A	25A	32A	40A	63A	80A	100A	125A
Single Hole MTG Switch with Flag Knob	LBX32300B19FPYR		549	561	*	*	*	*	*	*	*
Front Plate MTG with Flag Knob	LBX32300B40FPYR		534	549	*	*	*	*	*	*	*
Front Panel MTG with B03 (48x48) Plate	LBX32300B03FLYR	32309	488	500	542	561	643	691	*	*	*
Front Panel MTG with B13 (64x64) Plate with Flag Knob	LBX32300B13FLYR	32306 / 32309	*	*	542	561	643	691	*	*	*
Front Panel MTG with B13 (64x64) Plate with BG Handle	LBX32300B13BGYR	32309	*	*	595	616	697	737	*	*	*
DIN Rail MTG Switch with Flag Knob	LBX32300B23FLGB		*	*	542	561	643	691	*	*	*
Rectangular Pad Lock Switch with TDYR	LBX32300B30TDYR		*	*	656	691	758	798	*	*	*
Round Pad Lock Switch with RDYR	LBX32309B33RDYR		534	549	595	616	697	737	1896	2367	2960
Switch with B63 Lock & Key Version	LBX32309B63TDYR		*	*	906	947	1028	1055	*	*	*
Base MTG Switch with DIL and Pad Lock	LBX32309MB34RDYR		853	880	947	1000	1041	1122	2527	3155	3945
Base MTG Switch with BG Handle	LBX32309MB42BGYR		853	880	947	1000	1041	1122	*	*	*
Switch in ABS Enclosure - in B31SM	LBX32300B31SMRDYR		1082	1116	1204	1237	*	*	*	*	*
Switch in ABS Enclosure - in B31M	LBX32309B31MRDYR		*	*	*	*	1352	1386	*	*	*
Switch in SS Enclosure - in B31L with Round Plate	LBX32309SB31LRDYR		*	*	*	*	*	*	3560	4196	4979

LB 4 Pole ON - OFF Switches

Description	Cat. No.	Can also be given on request	M.R.P. (₹) Per Unit								
			16A	20A	25A	32A	40A	63A	80A	100A	125A
Single Hole MTG Switch with Flag Knob	LBX32400B19FPYR		683	697	*	*	*	*	*	*	*
Front Plate MTG with Flag Knob	LBX32400B40FPYR		670	683	*	*	*	*	*	*	*
Front Panel MTG with B03 (48x48) Plate	LBX32400B03FLYR	32409	622	637	692	710	832	880	*	*	*
Front Panel MTG with B13 (64x64) Plate with Flag Knob	LBX32400B13FLYR	32406 / 32409	*	*	692	710	832	880	*	*	*
Front Panel MTG with B13 (64x64) Plate with BG Handle	LBX32400B13BGYR	32409	*	*	744	765	886	926	*	*	*
DIN Rail MTG Switch with Flag Knob	LBX32400B23FLGB		*	*	692	710	832	880	*	*	*
Rectangular Pad Lock Switch with TDYR	LBX32400B30TDYR		*	*	804	839	947	987	*	*	*
Round Pad Lock Switch with RDYR	LBX32409B33RDYR		670	683	744	765	886	926	*	*	*
Switch with B63 Lock & Key Version	LBX32409B63TDYR		*	*	1055	1096	1216	1244	*	*	*
Base MTG Switch with DIL and Pad Lock	LBX32409MB34RDYR		987	1014	1096	1149	1231	1312	2926	3655	4566
Base MTG Switch with BG Handle	LBX32409MB42BGYR		987	1014	1096	1149	*	*	*	*	*
Switch in ABS Enclosure - in B31SM	LBX32400B31SMRDYR		1216	1251	1352	1386	*	*	*	*	*
Switch in ABS Enclosure - in B31M	LBX32409B31MRDYR		*	*	*	1541	1575	*	*	*	*
Switch in SS Enclosure - in B31L with Round Plate	LBX32409SB31LRDYR		*	*	*	*	*	*	3960	4695	5601

Note : Standard packing upto 63A switches is 5 Nos.

Ordering Code for Load Break and Changeover Switches

LB Load Break Switch	X Switch Rating	XXXXX Programme Code	XXXXX Mounting Options	XX Knob Options	XX Colour
------------------------------------	----------------------------	------------------------------	--------------------------------	-------------------------	-------------------

Example

LB Switches, 63A, 3P, 9 O'clock, 4 hole front mounting, with metal shaft, yellow front plate, red round knob

LB I 32309 MB34 RD YR

LB	I	32309	MB34	RD	YR	Description
---	---	---	---	---	---	Yellow Front Plate/ Red Knob
---	---	---	---	---	---	64 x 64 Front Plate Round Knob with Padlock (R)
---	---	---	---	---	---	Metal Shaft with Round Knob with Padlock and Interlock
---	---	---	---	---	---	3Pole 9 O' Clock "OFF"
---	---	---	---	---	---	63A
---	---	---	---	---	---	Load Break Switch

Accessories

X 	XX 	XXX
F-Front Mounting	MC-Main Module	20 - 16A to 20A 32 - 25A to 32A 63 - 40A to 63A 80 - 80A 125 - 100A, 125A & 80A
R-Rear Mounting	NC-Neutral Module	
	AC-Auxiliary Module	

R	NC	32	Description
---	---	---	32A
---	---	---	Neutral Module
---	---	---	Rear Mounting

Rating Selection Table

Ampere (A)	Code (X)
16	C
20	D
25	E
32	F
40	G
63	I
80	J
100	K
125	L

*** Note : Please contact nearest L&T branch office.

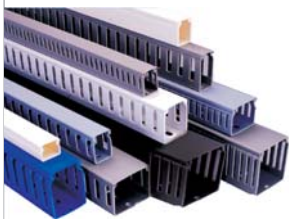
Cable Ducts [8538]

PVC Cable Ducts

- All ducts are ROHS compliant and FRLS
- Also available in Zero Halogen

Description	1 meter					2 meter			
	H x W	Cat. No.(Standard slot Grey)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty	Cat. No.(Standard slot Grey)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty
A 15 x 15	WWA1515SG	35	100	100	WWA1515SG2	70	64	64	
A 15 x 25	WWA1525SG	52	100	100	WWA1525SG2	104	64	64	
A 25 x 25	WWA2525SG	61	100	100	WWA2525SG2	122	48	48	
A 30 x 25	WWA3025SG	69	100	100	WWA3025SG2	138	48	48	
A 40 x 30	WWA4030SG	85	75	75	WWA4030SG2	170	32	32	
A 45 x 25	WWA4525SG	90	75	75	WWA4525SG2	180	40	40	
A 45 x 30	WWA4530SG	92	50	50	WWA4530SG2	184	32	32	
A 45 x 45	WWA4545SG	109	50	50	WWA4545SG2	218	18	18	
A 45 x 60	WWA4560SG	132	50	50	WWA4560SG2	264	12	12	
A 60 x 25	WWA6025SG	109	50	50	WWA6025SG2	218	18	18	
A 60 x 45	WWA6045SG	130	50	50	WWA6045SG2	260	18	18	
A 60 x 60	WWA6060SG	153	50	50	WWA6060SG2	306	12	12	
A 60 x 120	WWA60120SG	541	18	90	WWA60120SG2	1082	8	80	
A 75 x 45	WWA7545SG	162	40	40	WWA7545SG2	324	12	12	
A 75 x 75	WWA7575SG	234	32	32	WWA7575SG2	468	12	12	
A 80 x 80	WWA8080SG	268	25	25	WWA8080SG2	536	12	12	
A 100 x 100	WWA100100SG	432	18	18	WWA100100SG2	864	8	40	

Type A



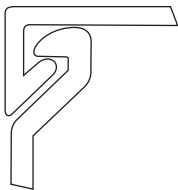
Specially designed profiles of duct and cover for fast and efficient locking.

A Type

- * Snap fit cover
- * Easy to remove

Description	1 meter					2 meter			
	W x H	Cat. No. (Standard slot)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty	Cat. No. (Standard slot)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty
B 25 x 30	WWB2530SG	66	100	100	WWB2530SG2	132	36	36	
B 25 x 40	WWB2540SG	81	75	75	WWB2540SG2	162	36	36	
B 25 x 60	WWB2560SG	106	50	50	WWB2560SG2	212	18	18	
B 25 x 80	WWB2580SG	145	50	50	WWB2580SG2	290	18	18	
B 25 x 100	WWB25100SG	202	25	25	WWB25100SG2	404	18	18	
B 30 x 20	WWB3020SG	86	100	200	WWB3020SG2	172	36	180	
B 40 x 40	WWB4040SG	106	50	50	WWB4040SG2	212	18	18	
B 40 x 60	WWB4060SG	129	50	50	WWB4060SG2	258	18	18	
B 40 x 80	WWB4080SG	160	50	50	WWB4080SG2	320	18	18	
B 40 x 100	WWB40100SG	212	25	25	WWB40100SG2	424	12	12	
B 45 x 20	WWB4520SG	90	75	225	WWB4520SG2	180	36	180	
B 50 x 100	WWB50100SG	237	30	90	WWB50100SG2	474	12	60	
B 60 x 20	WWB6020SG	124	50	200	WWB6020SG2	248	18	90	
B 60 x 40	WWB6040SG	134	50	50	WWB6040SG2	268	18	90	
B 60 x 60	WWB6060SG	156	50	50	WWB6060SG2	312	12	12	
B 60 x 80	WWB6080SG	210	40	40	WWB6080SG2	420	12	12	
B 60 x 100	WWB60100SG	275	30	30	WWB60100SG2	550	8	8	
B 72 x 64	WWB7264SG	196	32	96	WWB7264SG2	392	18	90	
B 75 x 75	WWB7575SG	278	32	96	WWB7575SG2	556	8	40	
B 75 x 100	WWB75100SG	289	25	75	WWB75100SG2	578	8	40	
B 80 x 40	WWB8040SG	165	50	100	WWB8040SG2	330	12	60	
B 80 x 60	WWB8060SG	207	40	80	WWB8060SG2	414	12	60	
B 80 x 80	WWB8080SG	259	32	32	WWB8080SG2	518	12	12	
B 80 x 100	WWB80100SG	318	24	24	WWB80100SG2	636	8	8	
B 100 x 60	WWB10060SG	254	30	30	WWB10060SG2	508	8	8	
B 100 x 80	WWB10080SG	310	25	25	WWB10080SG2	620	8	8	
B 100 x 100	WWB100100SG	428	18	18	WWB100100SG2	856	8	8	
B 120 x 80	WWB12080SG	423	18	90	WWB12080SG2	846	8	40	
B 150 x 100	WWB150100SG	505	12	48	WWB150100SG2	1010	4	40	

Type B



Non slip cover design of minimum encumbrance and maximum grip



B Type

- * Non - slip cover
- * Positive locking

Note : 1) For any special colour request additional 10% will be charged on price. For cut length additional 10% will be charged.

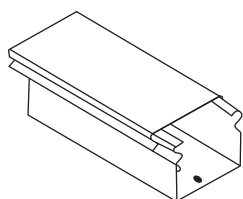
2) Thin / Unslot will be supplied on request. For thin slot replace the cat. number ending with SG by TG,

For un slotted channel replace the cat. number ending with SG by UG. MRP will be same as standard slot.

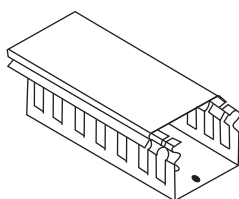
Cable Duct Covers

Description	Cat. No.	M.R.P. (₹) Per Unit
Cover for 15 mm A type	CCA15SG	17
Cover for 25 mm A type	CCA25SG	26
Cover for 30 mm A type	CCA30SG	32
Cover for 45 mm A type	CCA45SG	52
Cover for 60 mm A type	CCA60SG	63
Cover for 75 mm A type	CCA75SG	78
Cover for 80 mm A type	CCA80SG	94
Cover for 100 mm A type	CCA100SG	115
Cover for 25 mm B type	CCB25SG	26
Cover for 30 mm B type	CCB30SG	32
Cover for 40 mm B type	CCB40SG	42
Cover for 45 mm B type	CCB45SG	52
Cover for 50 mm B type	CCB50SG	63
Cover for 60 mm B type	CCB60SG	63
Cover for 72 mm B type	CCB72SG	78
Cover for 75 mm B type	CCB75SG	78
Cover for 80 mm B type	CCB80SG	93
Cover for 100 mm B type	CCB100SG	115
Cover for 120 mm B type	CCB120SG	124
Cover for 150 mm B type	CCB150SG	145

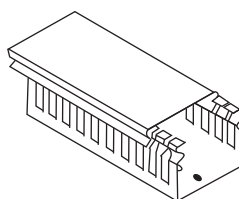
Slotting Styles (A & B Types)



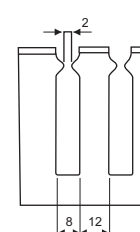
Unslotted
(US)



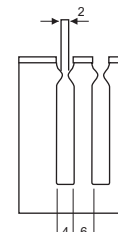
Standard Slotted
(S)



Thin Slotted
(T)



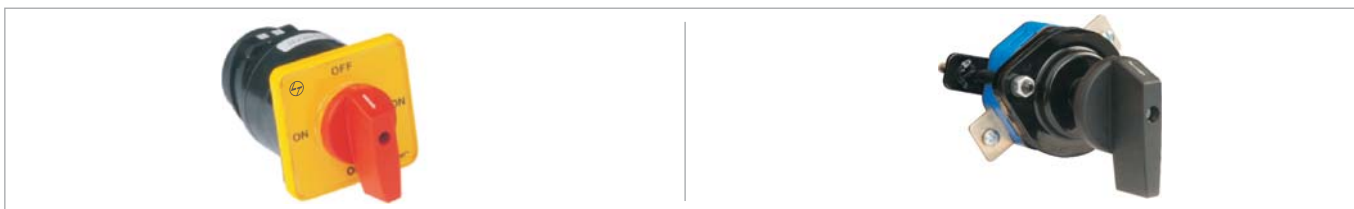
Standard Slot



Thin Slot

DC Switches

- Available from 16A to 500A
- Used for railway coaches lighting & fan circuits switching, all DC power circuits - Railways, Telecommunications & Power plants, Battery charging equipment
- Please contact nearest branch office for prices



These products are manufactured by **salzer**

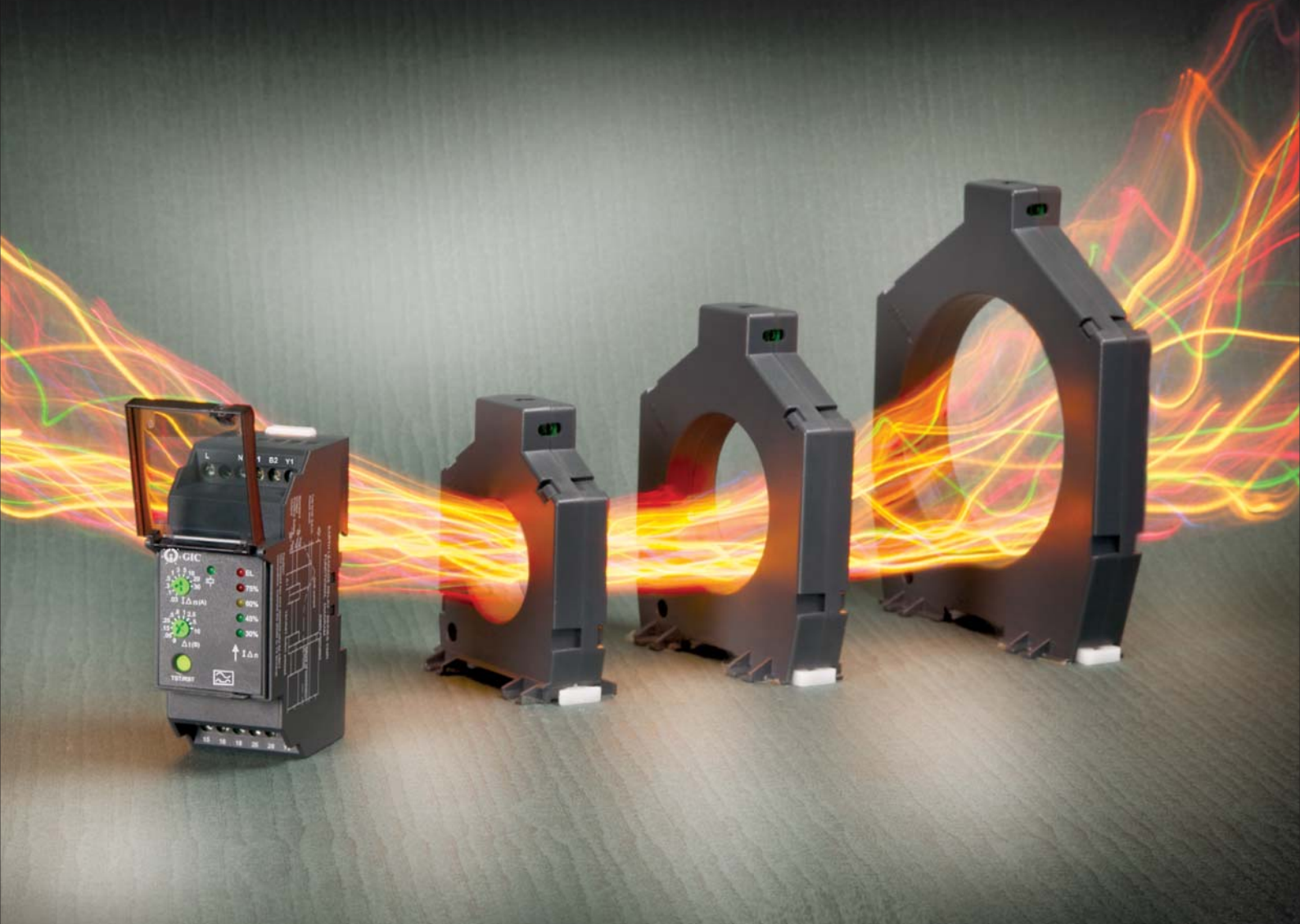
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Earth Leakage Relay with CBCT



A Reliable Safety Device for Protection Against Earth Leakages

- Monitors, detects and protects power systems from earth leakage faults
- Wide range of selectable Earth Leakage Current: 30 mA - 30 A
- Configurable Earth Leakage Trip time: 0 - 10 s
- Wide auxiliary supply range: 110 - 240 VAC, 220 - 415 VAC, 110 V DC, 240 V DC
- Instantaneous trip for 5 times of set value of leakage current
- Percentage wise LED indicators for Earth Leakage Faults
- Manual / Remote reset feature
- 1 C/O + 1 NO relay output






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Timing Devices & Supply Monitors

Timers [9107]

Micon 175	Type	Time	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
		ON Delay	0.3 sec - 30 hrs	240 VAC/24 VAC/DC	1 C/O	12ODT4
110 VAC/24 VAC/DC				11ODT4		880
12 VDC				15ODT4		720
	ON Delay & Interval	0.1 sec - 100 hrs	240 VAC/24 VAC/DC	1 C/O	12WDT0	700
	Star Delta Timer	3 sec - 120 sec	240 VAC	1 NO (Star)+1 NO (Delta)	12SDT0	735
3 sec - 30 sec		240 - 415 VAC	1 C/O (Star)+1 C/O (Delta)	14SDT1S	930	
	Signal OFF Delay	0.3 sec - 30 hrs	240 VAC/24 VAC/DC	1 C/O	12RDT4	660
		0.3 sec - 30 hrs	12 VDC		15DDT4	720
	Multifunction Timer	0.1 sec - 100 hrs	12 - 240 VAC/DC	1 C/O	1CMDT0	1120
	Asymmetrical ON/OFF & OFF/ON	0.1 sec - 100 hrs	12 - 240 VAC/DC	1 C/O	1CJDT0	1120
	One Shot	0.3 sec - 30 hrs	110 VAC/24 VAC/DC	1 C/O	11BDT4	830
			240 VAC/24 VAC/DC		12BDT4	830
			12 VDC		15BDT4	880

Pause time for Micon 175 star delta timer is 60 msec


1CMDT0 contains ON Delay, Impulse, Signal ON delay, Cyclic ON/OFF, Cyclic OFF/ON, Signal OFF Delay, Signal OFF/ON, Accumulative Delay ON signal, Impulse ON/OFF, Leading edge impulse, Trailing edge impulse, Leading edge Bistable

Micon 225	Type	Timing Range	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
		ON Delay	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2AODT5
Star Delta Timer		3 sec - 120 sec	24 - 240 VAC/DC	1 NO (Star)+1 NO (Delta)	2ASDT0	1115
	240 - 415 VAC		2BSDT0		1250	
	Multifunction Timer	0.1s to 120 days	24 - 240 VAC/DC	2 C/O (1 Inst+1 Delayed)	2A8DT6	1130
	Multifunction Multirange	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2A5DT5	1165
240 - 415 VAC			2B5DT5		1355	
	Signal Base Multi function - Multirange	0.1 sec - 10 hrs	24 - 240 VAC/DC	1 C/O	2ANDT0	1195
	Multifunction Timer 6 Functions	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O (1 Inst+1 Delayed for 6th Mode)	2A6DT6	1205
240 - 415 VAC			2B6DT6		1230	
	True OFF Delay	0.6 sec - 600 sec	24 - 240 VAC/DC	2 C/O	23GDT0	1770
	Asymmetrical ON/OFF	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2AADT5	1275


Pause time for Micon 225 star delta timer is 60 msec, 90 msec, 120 msec, 150 msec

Major timing functions


2A5DT5, 2B5DT5, 2A6DT6* and 2B6DT6* contains ON Delay, Interval, Cyclic ON/OFF, Cyclic OFF/ON, One Shot, ON Delay, On Delay (1 Inst + 1 Delayed)*
 2ANDT0 contains ON Delay, Interval, Signal ON Delay, Accumulative ON Delay, Signal OFF Delay, Signal OFF/ON Delay, Leading edge impulse
 2A8DT6 contains ON Delay, Impulse, Signal ON delay, Signal OFF delay, Step mode, One shot, Interval, Cyclic ON/OFF, Cyclic OFF/ON, Signal OFF Delay, Accumulative Delay ON signal, Impulse ON/OFF.


Digital Timer DIGICON 	Functions	Time	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	8 Functions	0.1 sec - 999 hrs	24 - 240 VAC/DC	1 C/O	V0DDTS	1225
			24 - 240 VAC/DC	2 NO	V0DDTD	1225
	18 Functions	0.1 sec - 999 hrs	24 - 240 VAC/DC	1 C/O	V0DDTS1	1390
24 - 240 VAC/DC			2 NO	V0DDTD1	1390	

V0DDTS and V0DDTD contains On Delay, Signal OFF Delay, Cyclic ON/OFF, Signal OFF/ON, Cyclic OFF/ON, Interval, Signal ON/OFF, One Shot output
V0DDTS1 and V0DDTD1 contains ON Delay, Cyclic OFF/ON, Cyclic ON/OFF, Impulse on energizing, Accumulative Delay ON Signal, Accumulative Delay on Inverted signal, Accumulative Impulse ON signal, Signal ON Delay, Inverted Signal On delay, Signal OFF Delay, Impulse ON/OFF, Signal OFF/ON, Leading edge impulse, Trailing edge impulse, Delayed impulse, Negative edge impulse.


Motor Restart Timer 	Type	Timer	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	Motor Restart Timer	Memory time Tm: 0.2 to 6 sec	110 VAC	1 C/O	23LDT0	1275
		Delay time Td: 0.2 to 60 sec	240 VAC		22LDT0	1275

Time Switches [9107]


FM1 / Quartz  150 Hrs Battery Backup	Product Description			Cat. No.	M.R.P. (₹) Per Unit
	FM1 / Quartz Daily	240 VAC Base/DIN Mounting		J648B1	2205
		110 VAC Base/DIN Mounting		J638B1	2655
		240 VAC Flush Mounting		J648F1	2465
		110 VAC Flush Mounting		J638F1	2575
	FM1 / Quartz Weekly	240 VAC Base/DIN Mounting		J848B1	2655
		110 VAC Base/DIN Mounting		J838B1	2655
		240 VAC Flush Mounting		J848F1	2570
		110 VAC Flush Mounting		J838F1	2570

Digital Time Switch 	Product Description			Cat. No.	M.R.P. (₹) Per Unit
	Time Switch (Crono)	110 - 240 VAC 1 C/O Base/DIN 25 ON/OFF		67DDT0	1860
		24 VDC 1 C/O Base/DIN 25 ON/OFF		6GHDT0	2140
		12 VDC 1 C/O Base/DIN 25 ON/OFF		69HDT0	2250
	Time Switch (Pulse) *	110 - 240 VAC 1 C/O Base/DIN 16 Pulse		67DDT9	1895
		24V DC 1 C/O Base /Din 16 Pulse		6GHDT9	2140
		12V DC 1 C/O Base /Din 16 Pulse		69HDT9	2250

* For bell and siren application

Astro Mini 	Product Description			Cat. No.	M.R.P. (₹) Per Unit
	Time Switch (Astro Mini) 110 - 240 VAC 1 Phase - 2W, 1 C/O, Base/DIN			T2DDT7	3275

Note : Astro Mini / Astro is used for lighting control based on sunrise / sunset timings by latitude / longitude settings.


Astro	Product Description		Cat. No.	M.R.P. (₹) Per Unit
		Time Switch (Astro)	110 - 240 VAC 1 Phase - 2W 2 Channel 2NO, Base/DIN	T2DDT0
110 - 240 VAC 3 Phase - 4W 3 Channel 3NO, Base/DIN			T3DDT0	8110
	Accessories	Software on PC for Astro	TGDDT6	635
		USB Interface Cable	GFDNN1	915
		Memory Card for Astro	GFDNN3M	490
3 Phase Astro Accessories		Surge Suppressor	19D2000C	770
		Astro GSM Module (GSM - ERT5), Remote Side	19D20B00	18310
		Communication Cable (TTL - TTL) between Astro & GSM Module	19A1000B	475


Supply Monitoring Devices [9032]




- SPP includes single phasing, phase sequence and phase unbalance monitoring with auto reset

Voltage Monitoring Relay Series	Type	Supply Monitoring Type	Time delay	Asymmetry	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit		
		SM301 (3Ph, 3W)	Single Phasing Preventor (SPP*) Fail Safe Type	ON Delay 2 sec and OFF Delay 7 sec	65 VAC Asymmetry	415 VAC, 1 C/O	MA51BC	785	
415 VAC, 2 C/O						MC21B5	1130		
	SM301 (3Ph, 3W)	Single Phasing Preventor (SPP*) Non Fail Safe Type	OFF Delay 500 msec and Recover Delay 2 Sec	30% Fixed	415 VAC, 1 C/O	MA59B5	885		
	SM301 (3Ph, 3W)	Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay (0 to 15 min)	-	240 VAC, 1 C/O	MD71B9	1130		
						Selectable ON Delay (0 to 15 sec)	MD71BH	1130	
						Selectable OFF Delay (0 to 15 sec)	MD71BF	1330	
	SM500 (3 Ph / 1 Ph, 4W)	Single Phasing Preventor + Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay (0 to 15 min) & OFF Delay 5 sec	Phase Asymmetry 10% fixed	240 VAC, 2 C/O	MG73B9	1390		
						Selectable ON Delay (0 to 15 sec) & OFF Delay 5 sec	MG73BH	1390	
						Selectable OFF Delay (0 to 15 sec) & ON Delay 5 sec	MG73BF	1390	
						SPP + UV/OV, with fixed UV (173 V) & OV (288 V)	MG73BR	1390	
	SM500 with Neutral Loss Protection	SPP + Selectable UV + Selectable OV with Neutral Loss Protection	ON Delay 5 sec and OFF Delay 5 sec, 500ms-1s for Neutral fail	94 VAC Asymmetry	415 VAC, 3 Ph 4W, 2 C/O	MAC04 D0100	1390		
	SM501 (3 Ph, 3W)	SPP + Under Voltage (80% of ϕ)	Selectable ON Delay and OFF Delay 15 sec	Selectable Asymmetry (5% to 17%)	415 VAC, 2 C/O	MB53BM	1390		
						Single Phasing Preventor + Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay 15 sec & OFF Delay 5 sec	MG53BH	1390
							Selectable OFF Delay 15 sec & ON Delay 5 sec	MG53BF	1390
							ON Delay 5 sec and OFF Delay 5 sec	MG53BI	1305
							ON Delay 3 min and OFF Delay 5 sec UV 85% of ϕ OV 110% of ϕ	MG53BO	1305

Note: 3 Ph 3W - 3 Phase 3 Wire system; 3 Ph 4W - 3 Phase 4 Wire system.

Voltage Monitoring Relay Series	Type	Supply Monitoring Type	Time Delay	Assymetry	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	 SM175 (3 Ph, 3W)	Phase loss + Phase Sequence Monitoring		ON Delay 500 msec & OFF Delay 100 msec	-	208 - 480 VAC, 1 C/O (Steps of 208 - 220 - 380 - 400 - 415 - 440 - 480 VAC)	MK21D5
ON Delay 500 msec & OFF Delay 100 msec				Phase Asymmetry (30% fixed)	MC21D5		875
ON Delay 5 sec & OFF Delay 100 msec (0 to 15s Selectable)				Phase Asymmetry (5% to 15% variable)	MA21DN		1140
Phase Loss + Phase Sequence + Under Voltage + Over Voltage monitoring (UV: -2% to -20% of 𐄀, OV: 2% to 20% of 𐄀)			ON Delay 5 sec and Selectable OFF Delay (0 to 15 sec)	-	MD21DF		1140
			Selectable ON Delay (0.5 to 15 sec) and OFF Delay 5 sec		MG21DH		1275
Phase Loss + Phase Sequence + Under Voltage + Over Voltage (UV: -5% to -25% of 𐄀, OV: 5% to 25% of 𐄀)			ON Delay 5s and Selectable OFF Delay (0 to 15 ses)	Phase Asymmetry 10% fixed	MG21DF		1275



Frequency Monitoring Relay Series	Relay Type	Time Delay	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	 Over Frequency Monitoring Relay		ON Delay and OFF Delay of 500 ms (Fixed)	110 - 240 VAC, 1 C/O	MI81BJ
220 - 440 VAC, 1 C/O				MI91BJ	1620
Under/Over Frequency Monitoring Relay		ON Delay (Fixed) and OFF Delay Selectable	110 - 240 VAC, 1 C/O	MI81BL	1760
			220 - 440 VAC, 1 C/O	MI91BL	1760


Earth Leakage Relays	Current Range	Type	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit	
	 30mA - 30A	Earth Leakage Relay		110-240 VAC, 110V DC, Manual reset	17G715GF2	2745
220-415 VAC, 220V DC, Manual reset				17G745GF2		
15VDC, Manual reset				17G755GF2		
110-240 VAC, 110 VDC, Auto reset				17G715KF2		
220-415 VAC, 220 VDC, Auto reset				17G745KF2		
15VDC, Auto reset				17G755KF2		
CBCT (moulded case) NEW				38 mm ID	17H7NNHN3	1370
				57 mm ID	17H7NNIN3	1470
				70 mm ID	17H7NNQN3	1570
				92 mm ID	17H7NNJN3	1665
 60mA - 300mA	Earth Leakage Relay*		110-240 VAC, 1 C/O	17G514FF1	2550	
			220-415 VAC, 1 C/O	17G544FF1		
	CBCT (tape wound)*			35 mm	17H5NNHL3	1370
				65 mm	17H5NNIL3	1470
				100 mm	17H5NNJL3	1665
 0.2A - 1.2A	Earth Leakage Relay*		110-240 VAC, 1 C/O	17G614FF1	2550	
			220-415 VAC, 1 C/O	17G644FF1		
	CBCT (tape wound)*			35 mm	17H6NNHL3	1370
				65 mm	17H6NNIL3	1470
			100 mm	17H6NNJL3	1665	

* Available till stock lasts.


Current Monitoring relay (CMR)

- Microprocessor based relay protects against Overload, Phase reverse, Phase loss, Phase unbalance faults
- Auto/ Manual reset selection
- Fail- safe protection with inbuilt CT upto 45A
- Inverse time model with underload, locked rotor protection and selectable trip class (10A, 10, 20, 30)
- Definite time model with underload and selectable start and trip time


Current Monitoring relay	Phase	Type	Current & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
		3 Phase	Inverse Time Current Monitoring Relay	2 - 5A 1 C/O	17A422CB0
3 - 9A, 1 C/O				17A122CB0	
8 - 24A, 1 C/O				17A222CB0	
15 - 45A, 1 C/O				17A322CB0	
Definite Time Current Monitoring Relay			2 - 5A 1 C/O	17B422AA0	
			3 - 9A, 1 C/O	17B122AA0	
			8 - 24A, 1 C/O	17B222AA0	
			15 - 45A, 1 C/O	17B322AA0	
Definite Type / Instant Trip			2 - 5A 1 C/O	17B422PA0	
			1 Phase	Inverse Time Current Monitoring Relay	2 - 5A 1 C/O
	3 - 9A, 1 C/O	17C112EB0			
	8 - 24A, 1 C/O	17C212EB0			
	15 - 45A, 1 C/O	17C312EB0			
	Definite Time Current Monitoring Relay	2 - 5A 1 C/O		17D412DA0	
		3 - 9A, 1 C/O		17D112DA0	
		8 - 24A, 1 C/O		17D212DA0	
		15 - 45A, 1 C/O		17D312DA0	

PTC Thermistor Relay Series	Relay Type	Description	Cat. No.	M.R.P. (₹) Per Unit
		Thermistor Relay	110 - 240 VAC, 2 C/O	MJ83BK
220 - 440 VAC, 2 C/O			MJ93BK	1400
24 VAC/DC, 2 C/O			MJA3BK	1620
110 - 240 VAC, 1 C/O			MJ81BK	1280
220 - 440 VAC, 1 C/O			MJ91BK	1295

Hour Meter & Counter [9029]

Hour Meters	Product Description	Cat. No.	M.R.P. (₹) Per Unit
		HM36, 85 - 265 VAC Flush Mounting	LA25F1
HM 36, 10 - 80 VDC Flush Mounting		LD17F1	890
HM36, 92 - 264 / 270 - 460 VAC Base - DIN Mounting		30A6B1	645
HM36, 10 - 80 VDC Base/DIN Mounting		30D1B1	890
Digital Hour Meter/Digital Counter (Resetable)		Z□□FB□	1085
Hour Meter / Counter		Z□□FB□ Voltage H 10 - 80 VDC 7 85 - 265 VAC J 12 - 48 VAC/DC	Bezel A Round B 24 x 48 C Screw Mount

Electro Mechanical Timers [9107]

EM 1000	Product Description	Cat. No.	M.R.P. (₹) Per Unit
	EM 1000 ON Delay Auto Reset Synchronous Timer Single Range	B□□□□□	Table-1
	EM 1000 B □ □ □ □ □ Timing Ranges(SR) B 0.15 - 3.0 sec C 1.5 - 30 sec D 0.15 - 3.0 min E 1.5 - 30 min F 0.15 - 3.0 hrs G 1.5 - 30 hrs H 0.3 - 6.0 sec J 3.0 - 60 sec K 0.3 - 6.0 min L 3.0 - 60 min M 0.3 - 6.0 hrs N 3.0 - 60 hrs P 0.6 - 12 sec Q 6.0 - 120 sec R 0.6 - 12 min S 6.0 - 120 min T 0.6 - 12 hrs V 6 - 120 hrs Timing Ranges (MR) X 0.15 sec - 3.0 hrs Y 0.3 sec - 6.0 hrs Z 0.6 sec - 12.0 hrs Voltage 3 110 VAC 50 Hz 4 240 VAC 50 Hz C 110 VAC 60 Hz D 240 VAC 60 Hz	Delay 1 Standard ON delay 2 With 'NO VOLT' Mounting B Base Mounting F Flush (door) Mtg. Contact 1 1 Inst + 1 Del C/O 2 1 Inst + 2 Del C/O	*185 *175
*Add to basic Price. Contact : 240 VAC 6A (Resistive)			

Single Range (SR) (In sec/min/hrs)	M.R.P. (₹) Per Unit for Single Range (SR) (In sec/min/hrs)	Multi Range (MR) with 5 Ranges	M.R.P. (₹) Per Unit
0.15 - 3	2890	0.15 sec - 3 hrs	3430
0.3 - 6		0.3 sec - 6 hrs	
0.6 - 12		0.6 sec - 12 hrs	
1.5 - 30			
3.0 - 60			
6.0 - 120			

These products are manufactured by



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Ready to use Solution

GEN NEXT ENTEGRAL PUSH BUTTONS

- Compact and Unique design.
- Ready to use solution for OEM & Panel Builders.
- Isolated terminals for NO+NC Application.
- Current rating of 6A at 240V AC.
- IP 20 terminal Protection & IP 65.
- Electrical operation 0.5 million at rated voltage, mechanical life of 1 million operations.

Inbuilt Contact Block

1NO | 1NC | 1NO+1NC | 2NO | 2NC

Customer Interaction Center (CIC)

BSNL / MTNL (toll free) : 1800 233 5858 Reliance (toll free) : 1800 200 5858

Tel : 022 6774 5858, Fax : 022 6774 5859 E-mail : cic@Lntebg.com / Website www.Lntebg.com

Modular Remote Control Units


Gen Next Series

Gen Next LED Indicator [8531]

- Surface Mounted Device LED technology
- Low Power consumption < 0.6W
- Surge & Low Voltage Glow Protection (LVGP)

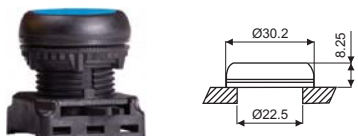
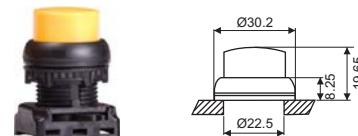
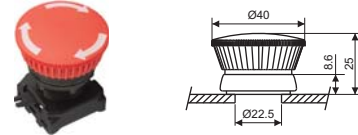
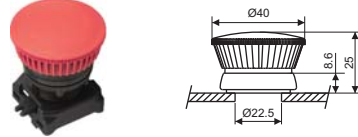
Ø16 mm	Description	Cat. No.	Colour (4 th Digit)	Voltage (5 th , 6 th , 7 th & 8 th Digit)	M.R.P. (₹) Per Unit
	Gen Next LED Indicator 16 mm	SIL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110C - 110 VAC/DC 240A - 240 VAC	113 191 Blue & White
Ø22.5 mm	Gen Next LED Indicator 22.5 mm	EIL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	122 208 Blue & White
Cluster design				415A - 415 VAC	151 256 Blue & White

Gen Next Universal LED Indicator [8531]


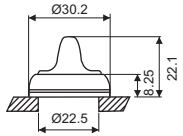



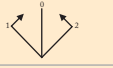



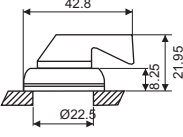




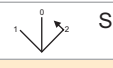
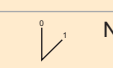

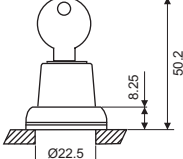


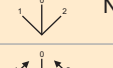
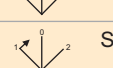



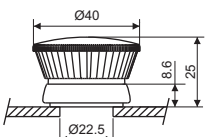

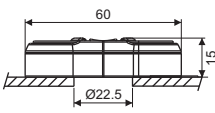
Ø22.5 mm	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
	Gen Next Universal Voltage LED indicator	EG0100L□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	224C-24 to 240V AC/DC 424C-40 to 240V AC/DC	314 377 Blue & White

Gen Next Push Button & Selector Actuators Ø 22.5 mm [8538]

- Snap Mounting with compact contact blocks (EC1C & EC2C)
- Max 3 row x 3 column stackable contact blocks



	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EMN□FD1	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber F-Gray	61
	Projecting Head Push Function	EMN□PD1	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber F-Gray	61
	Mushroom Head 'Push - Turn Function'	EMN□MH1	R-Red G-Green C-Black Y-Yellow	120
	Mushroom Head 'Push - Function'	EMN□MD1	R-Red G-Green C-Black Y-Yellow	87

Gen Next Push Button & Selector Actuators Ø 22.5 mm [8538]

 	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit	
	Symmetric Head	2 Position		R-Red G-Green C-Black W-White	172
		 Non Spring Return EMN□SK1			
		 Spring Return EMN□SI1			
		3 Position			
		 Non Spring Return EMN□SL1			
		 Spring Return EMN□SJ1			
		 Spring Return L. H. EMN□SM1			
		 Spring Return R. H. EMN□SN1			
 	Lever Head	2 Position		R-Red W-White C-Black	172
		 Non Spring Return EMN□LK1			
		 Spring Return EMN□LI1			
		3 Position			
		 Non Spring Return EMN□LL1			
		 Spring Return EMN□LJ1			
		 Spring Return L. H. EMN□LM1			
		 Spring Return R. H. EMN□LN1			
 	Lock & Key Rotary Type	2 Position		C-Black	247
		 Non Spring Return EMN□KK1			
		 Spring Return EMN□KI1			
		3 Position			
		 Non Spring Return EMN□KL1			
		 Spring Return EMN□KJ1			
		 Spring Return L. H. EMN□KM1			
		 Spring Return R. H. EMN□KN1			
 	Push Pull	EG02MG0□	R-Red	239	
 	Twin Touch with Black centre strip	EG02TD0I	—	129	

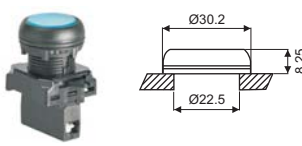
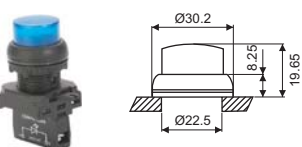
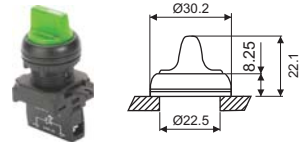




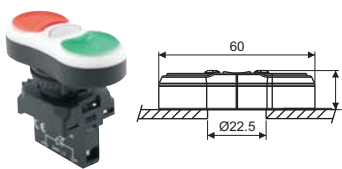
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

1. Actuators & Selector Actuators with black ABS collar are offered as Standard
2. Actuators (except Mushroom Head Push - Pull Actuators) are also available with chrome plated ABS & Brass collar
 - For Chrome plated ABS Collar replace 7th digit 1 by 3 eg. : **EMNPD3**
 - For Brass Metal Collar replace 7th digit 1 by 2 eg. : **EMNPD2** (Please contact nearest branch office for MRP)
3. For Non-Illuminated Actuator / Selector Actuator at least 1 NO or NC Block required to make a complete Assembly eg. **EMNRFD1 + EC1C** makes complete assembly of flush head actuator with 1 NO Block

Note * - In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style  replace 6th digit from K to T


Gen Next Illuminated Push Button Actuators [8531]

- Snap Mounting with compact contact blocks (EC1C & EC2C)


	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EG03FDL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC	175
			B-Blue W-White	110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	322 Blue and White
	Projecting Head (Push Function)	EG03PDL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC	175
			B-Blue W-White	110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	322 Blue and White
	Selector Actuator with LED holder	2 Position		R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC
		 Non Spring Return EG03SKL□□□□□	255		
		 Spring Return EG03SIL□□□□□			
		3 Position			
 Non Spring Return EG03SLL□□□□□	382 Blue and White				
 Spring Return EG03SJL□□□□□					
	Twin Touch with Led Holder	EG03TDL□□□□□	Y- Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	230

Note* : 1) In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style , replace 6th digit from K to T.
2) Assembly comes with LED holder. Please order contact block EC1C and EC2C separately.

Gen Next Modular Contact Blocks [8538]

	Description	Cat. No.	Colour	Voltage	M.R.P. (₹) Per Unit
	'NO' Block	EC1C	-	-	47
	'NC' Block	EC2C	-	-	47


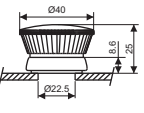
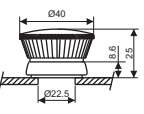
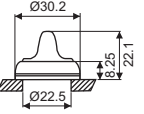







Spares for Gen Next Series [8531]

	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
	LED Holder for Gen Next illuminated actuator series	EG08HOL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC	133
			B-Blue W-White	110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	254 Blue and White


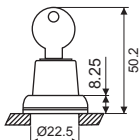






Note : Gen Next Modular Contact Blocks (EC1C and EC2C) can be used only with Gen Next Push Button Actuator



Gen Next Integral Actuator [8536]

- With inbuilt contact arrangement
- Contact rating 6A @ 240AC

	Description	Cat. No.	Contact Configuration (3 rd Digit)	Colour (4 th Digit)	M.R.P. (₹) Per Unit	
 	Flush Head	EE□□FD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow	91	
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	W-White B-Blue A-Amber C-Black	134	
 	Projecting Head Push Function	EE□□PD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow	91	
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	W-White B-Blue A-Amber C-Black	134	
 	Mushroom Head Push - Turn	EE□□MH1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow	135	
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	C-Black	184	
 	Mushroom Head Push - Function	EE□□MD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow	114	
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	C-Black	156	
 	Symmetric Head Actuator	2 Position  Non Spring Return EE□□SK1	1 - 1 NO 2 - 1 NC	R-Red G-Green W-White C-Black	187	
			 Spring Return EE□□SI1		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)	229
		3 Position  Non Spring Return EE□□SL1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		237	
			 Spring Return EE□□SJ1		6 - 1 NO + 1 NC (Right NO)	237
			 Spring Return L. H. EE□□SM1			
			 Spring Return R. H. EE□□SN1			
 	Lever Head	2 Position  Non Spring Return EE□□LK1	1 - 1 NO 2 - 1 NC	R-Red G-Green W-White C-Black	187	
			 Spring Return EE□□LI1		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)	229
		3 Position  Non Spring Return EE□□LL1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		237	
			 Spring Return EE□□LJ1		6 - 1 NO + 1 NC (Right NO)	237
			 Spring Return L. H. EE□□LM1			
			 Spring Return R. H. EE□□LN1			


Gen Next Integral Actuator [8536]

 	Description	Cat. No.	Contact Configuration (3 rd Digit)	Colour (4 th Digit)	M.R.P. (₹) Per Unit	
	Lock & Key Rotary Type	2 Position		1 - 1 NO 2 - 1 NC	C-Black	239
		 Non Spring Return EE□□KK1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)			
		 Spring Return EE□□KI1		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		293
		3 Position				
		 Non Spring Return EE□□KL1				
		 Spring Return EE□□KJ1				
	 Spring Return L. H. EE□□KM1					
 Spring Return R. H. EE□□KN1						

Note * - In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style  replace 6th digit from K to T





Panel Mounted Buzzer Ø 22.5 mm [8531]

- IP20 protection
- 80dB at 1 m distance
- Low Power consumption < 0.6W






	Description	Electrical Rating	Cat. No.		M.R.P. (₹) Per Unit
			Round Type	Square Type	
	22.5 mm Panel Mounted Buzzer Black colour	240 VAC	EG15R00C240A	EG15S00C240A	223
		110 VAC	EG15R00C110A	EG15S00C110A	223
		64 VAC/DC	EG15R00C064C	EG15S00C064C	223
		48 VAC/DC	EG15R00C048C	EG15S00C048C	223
		30 VAC/DC	EG15R00C030C	EG15S00C030C	223
		24 VAC/DC	EG15R00C024C	EG15S00C024C	223
12 VAC/DC		EG15R00C012C	EG15S00C012C	223	

Gen Next Push Button Stations [8536]

- Dimension
- Single Station : 65 x 55 x 33 mm
 - Two Station : 100 x 55 x 53 mm
 - Three Station : 134 x 55 x 53 mm
 - Eight Station : 305 x 55 x 53 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'	EP1FAC01	331
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO'	EP1FAB02	331
	Two Position Symmetric Head Selector Switch - Black with Legend - OFF / ON Contact - 1 'NO'	EP1FAF08	435
	Two Position Lock & Key Rotary Switch with Legend - OFF / ON Contact - 1 'NO'	EP1FAF12	481
	Mushroom Head Actuator 'Push Function' with Legend - STOP Contact - 1 'NC' for Stop	EP1FAC03	352

Gen Next Push Button Stations [8536]

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' for Stop	EP1FAC05	429
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	EP2FAH0201	481
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'		
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	EP2FAH0205	531
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' (Station Two)		
	LED Indicator 240 VAC - Red (Station One)	EP3FAUI1X0201	648
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station Two)		
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Three)		
	Flush Head Actuator - Green with Legend - FORWARD Contact - 1 'NO' (Station Two)	EP3FAR020102	607
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - REVERSE Contact - 1 'NO' (Station Three)		
	Flush Head Actuator - Green with Legend - UP Contact - 1 'NO' (Station Two)	EP3FAS020102	607
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - DOWN Contact - 1 'NO' (Station Three)		
	All 7 Flush Head Actuators with NO Contact & Mushroom Head Push Turn	EP8F02	1724
	8 Way push button pendant with hanging provision	EP8F04	1844
	Single Station Enclosure Box without Actuator	EP1FAA ^{\$}	183
	Two Station Enclosure Box without Actuator	EP2FAA ^{\$}	194
	Three Station Enclosure Box without Actuator	EP3FAA ^{\$}	200
	Eight Station Enclosure Box without Actuator	EP8FAA ^{\$}	336

Note: 1. All Gen next push button stations contains integral Actuators.

2. Only integral actuators can be used for converting Gen next enclosure boxes into Gen Next push button station.

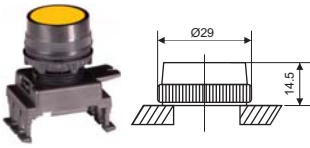
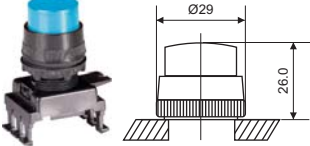
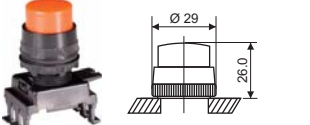
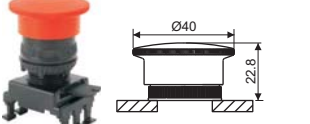
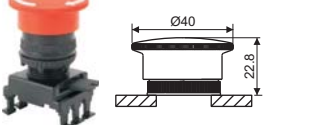
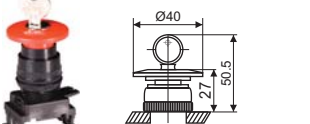
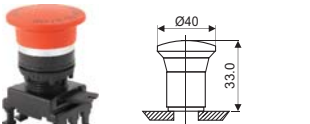
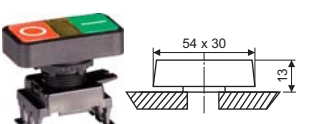







3. For any other combination of actuators/indicators in push button stations please contact nearest branch office.

4. EP8F04 is available in single speed for crane application.

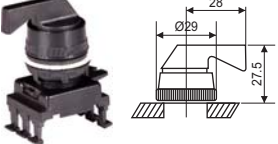






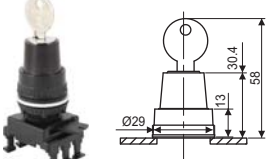






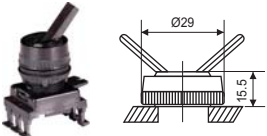

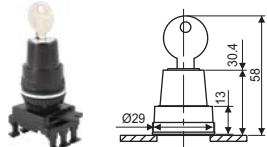

^{\$} Chapter ID : 8538.



Standard Push Button & Selector Actuators Ø 22.5 mm [8538]

- Contact blocks HC61A2 & HC61B2

	Description	Cat. No.	Colour (6 th Digit)	M.R.P. (₹) Per Unit	
	Flush Head	HD15C □	1-Red 2-Green 3-Black 4-Yellow 5-White/Opal 6-Blue 7-Orange 8-Colorless	77	
	Projecting Head 'Push Function'	HD45C □	1-Red 2-Green 3-Black 4-Yellow 5-White/Opal 6-Blue 7-Orange 8-Colorless	77	
	Projecting Head 'Push - Push Function'	HF45C □	1-Red 2-Green 3-Black 4-Yellow 5-White/Opal 6-Blue 7-Orange	169	
	Mushroom Head Ø 40 mm 'Push Function'	HD55C □	1-Red 2-Green 3-Black 4-Yellow	107	
	Mushroom Head 'Push Turn'	HH55C □	1-Red 2-Green 3-Black 4-Yellow	146	
	Mushroom Head With Lock & Key	HQ55C □	1-Red 2-Green 3-Black 4-Yellow	282	
	Mushroom Head 'Push Pull'	HG55B □	1-Red 2-Green 3-Black 4-Yellow 6-Blue	258	
	Twin Touch	HD15G □	3-Black	151	
	Symmetric Head	2 Position		207	
Non Spring Return			HK65C □		
Spring Return			HI65C □		
3 Position		220			
Non Spring Return					HL65C □
Spring Return					HJ65C □
Spring Return from L. H.					HM65C □
Spring Return from R. H.		HN65C □			

Standard Push Button & Selector Actuators Ø 22.5 mm [8538]

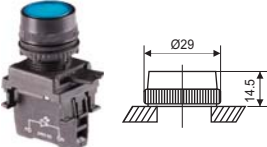
	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit	
	Lever Head	2 Position		1-Red 3-Black 5-White/Opal	207
		Non Spring Return	 HK75C□		
		Spring Return	 HI75C□		
		3 Position			220
		Non Spring Return	 HL75C□		
		Spring Return	 HJ75C□		
		Spring Return from L. H.	 HM75C□		
Spring Return from R. H.	 HN75C□				
	Lock & Key Rotary Type	2 Position		3-Black	282
		Non Spring Return	 HK85C□		
		Spring Return	 HI85C□		
		3 Position			296
		Non Spring Return	 HL85C□		
		Spring Return	 HJ85C□		
		Spring Return from L. H.	 HM85C□		
Spring Return from R. H.	 HN85C□				
	Tip Head	2 Position		1-Red 2-Green 3-Black 4-Yellow 5-White/Opal	173
		Non Spring Return	 HP95C□		
	Lock & Key Push Turn	2 Position		3-Black	296
		Non Spring Return	 HH85C□		

Note * - In 2 position selector actuator, for operating style  replace 2nd digit from K to R and for operating style  replace 2nd digit from K to T
 ** For Lock & Key, Key removable position Left, Right or Both

- Note :**
1. Actuators & Selector Actuators with black ABS collar are offered as Standard eg. : **HD15 C1**
 2. Actuators (except Mushroom Head Push - Pull & all types of twin touch Actuators) are also available with chrome plated ABS & Brass collar
 - For Chrome plated ABS Collar replace 5th digit C by A eg. : **HD15 A1**
 - For Brass Chrome plated ABS Collar replace C by B eg. : **HD15 B1**
 3. For Non-Illuminated Actuator / Selector Actuator at least 1 NO or NC Block required to make a complete Assembly eg. HD15C1 + HC61A2 makes complete assembly of flush head actuator with 1 NO Block



Standard Illuminated Actuators With LED [8531]

- Illuminated Actuators Pre-assembled with LED Holder
- Contact blocks HC61A2 & HC61B2



	Description	Cat. No.	Colour (4 th Digit)	Voltage (5 th , 6 th , 7 th & 8 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EAL□□□□FD1	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC	197
			B-Blue W-White	240A - 240 VAC 220D - 220 VDC	375

Standard Illuminated Actuators With LED [8531]

	Description	Cat. No.	Colour (4 th Digit)	Voltage (5 th , 6 th , 7 th & 8 th Digit)	M.R.P. (₹) Per Unit
	Projecting Head (Push Function)	EAL□□□□PD1	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC	197
			B-Blue W-White	240A - 240 VAC 220D - 220 VDC	375
	Projecting Head (Push - Push Function)	EAL□□□□PF1	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC	288
			B-Blue W-White	240A - 240 VAC 220D - 220 VDC	465
	Twin Touch	EAL□□□□TD1	Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	259
	Selector Actuator with Gen Next LED	2 Position Non Spring Return  EAL□□□□SK1	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	313
		2 Position Spring Return  EAL□□□□SI1	B-Blue W-White		465
		3 Position Non Spring Return  EAL□□□□SL1	R-Red G-Green Y-Yellow A-Amber		327
		3 Position Spring Return  EAL□□□□SJ1	B-Blue W-White		
		3 Position Spring Return from L. H.  EAL□□□□SM1	B-Blue W-White		480
		3 Position Spring Return from R. H.  EAL□□□□SN1			

Note* : 1) In 2 position selector actuator, for operating style  replace 10th digit from K to R and for operating style  replace 10th digit from K to T.
 2) Assembly comes with LED holder. Please order contact block HC61A2 and HC61B2 separately.
 3) For Illuminated Actuators / Selector Actuators at least 1 LED Holder is required for electrical connection.

Standard Modular Contact Blocks

 [8538]	Description	Cat. No.	Colour (4 th Digit)	Voltage (5 th , 6 th , 7 th & 8 th Digit)	M.R.P. (₹) Per Unit
	'NO' Block	HC61A2	-	-	58
	'NC' Block	HC61B2	-	-	58
 [8531]	LED Holder for Standard series	EHL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	123 289 Blue & White

Standard Push Button Stations (in ABS Engineering plastic body) [8536]



Dimension ● Single Station : 74 x 70 x 48.5 mm ● Two Station : 107 x 70 x 48.5 mm
● Three Station : 140 x 70 x 48.5 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Mushroom Head Actuator 'Push Function' with Legend - STOP Contact - 1 'NC' for Stop	JAE10000	426
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' for Stop	JAF10000	480
	Mushroom Head Actuator with Lock and Key on Yellow Cover, with legend - STOP, Contact - 1 'NC' for Emergency Stop	JAG10000	585
	Push Button Station with Push Pull Emergency Switch, Red with 1 NC	TJ51B2	520
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'	JAA10000	400
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO'	JAB20000	400
	Illuminated Actuator - Red with Legend - OFF Contact - 1 'NC' Bulb Holder with Bulb 240 VAC	JAC50000	453
	Illuminated Actuator - Green with Legend - ON Contact - 1 'NO' Bulb Holder with Bulb 240 VAC	JAD60000	473
	Two Position Symmetric Head Selector Switch - Black with Legend - OFF / ON Contact - 1 'NO'	JAH20000	528
	Two Position Lock & Key Rotary Switch with Legend - OFF / ON Contact - 1 'NO'	JAI20000	598
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	JBB2A100	578
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	JBB2F100	641
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC'		
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	JBB2G100	756
	Mushroom Head Actuator 'Locked & Key type' Contact - 1 'NC'		
	Pilot Light 240 VAC Colourless Lens (Station One)	JCZ4B2A1	783
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station Two)		
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Three)		
	Flush Head Actuator - Green with Legend - FORWARD Contact - 1 'NO' (Station One)	JDB2A1B2	734
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - REVERSE Contact - 1 'NO' (Station Three)		
	Flush Head Actuator - Green with Legend - UP Contact - 1 'NO' (Station One)	JEB2A1B2	734
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - DOWN Contact - 1 'NO' (Station Three)		




Note: All standard push button stations contains base mounted contact blocks.

Standard Push Button Stations (in ABS Engineering plastic body) [8538]

Push Buttons Station Enclosure with contact block



	Description		Cat. No.	M.R.P. (₹) Per Unit
		All Grey single hole		HF999004
	All Grey & 2 hole of Ø 22.5		HF999005	233
	All Grey & 3 holes of Ø 22.5		HF999003	233
	Single hole yellow cover & gray base		HF995001	214
	Base mounted contact block for Push Button Stations	'NO' Contact Block	HC42A2	67
		'NC' Contact Block	HC42B2	
		1 'NO' + 1 'NC' Contact Block	HC42C2	107
		2 'NO' Contact Block	HC42D2	107
		2 'NC' Contact Block	HC42E2	
		Bulb Holder with Bulb 240 VAC+ 'NO' Contact Block	HC22N1	147
		Bulb Holder with Bulb 240 VAC+ 'NC' Contact Block	HC22O1	

Standard All Purpose Enclosures [8538]

 Dimension: 110 x 80 x 65 mm	Description		Cat. No.	M.R.P. (₹) Per Unit
		All Grey without hole		HF999000
	All Grey & 1 hole of Ø 22.5		HF999001	233
	All Grey & 2 holes of Ø 22.5		HF999002	233
 Dimension: 170 x 85 x 80 mm	4 Station Enclosure (maximum 3 NO/NC per button)		HF999024	553
 Dimension: 80 x 82 x 85 mm	1 Station Enclosure (maximum 4 NO or NC)		HF999026	423


Note: All series actuators and contact block can be used to convert all purpose enclosure box into standard push button station.

Accessories and Spares for Standard series [8538]


Clips for Modular Blocks	Description	Cat. No.	M.R.P. (₹) Per Unit
	Second Row Clip (For Vertical Cascading)	HC122030	17
	Side Row Clip (For Horizontal Cascading)	HC929002	

Clips for Modular Blocks	Description	Cat. No.	M.R.P. (₹) Per Unit
	First Row Clip	HC922002	17
	Single Leg Clip	HE102000	

Note : First Row Clip is included for all std series Push Button Actuators, Selector Actuators & Mushroom Head Assembly

Shroud (Boot) for Actuator	Cat. No.	Colour	M.R.P. (₹) Per Unit
	HH152002	Red	15
	HH153003	Green	
	HH154004	Black	
	HH155005	Yellow	
	HH150100	Colourless	21




(For IP67 protection with standard series actuators)

Spare Lens Cap	Colour	Cat. No.		M.R.P. (₹) Per Unit
		Non Illuminated	Illuminated	
	Red	HB103002	HB103103	12
	Green	HB104000	HB104101	
	Black	HB102006	NA	
	Yellow	HB105008	HB105109	
	White/Opal	HB101004	HB101105	
	Blue	HB107010	HB107111	
	Orange	HB108012	HB108113	
	Colourless	NA	HB100107	


Note: It can be used for Gen Next as well as standard actuators.


Collar (For Flush/Projecting Head)	Cat. No.	Colour	M.R.P. (₹) Per Unit
	HB192000	Black	11
	HB326000	Brass	35
	HH180000	Gray	16
HH182004	Black		
HH196006	Chrome Plated 'ABS'		
Blanking Plugs	HH180002	Gray	31
	HH182009	Black	
	HH196010	Chrome Plated 'ABS'	
Center Indication Strip (For Twin Touch Actuator)	HB102058	Black	31
	HB105163	Yellow	
	HB108169	Orange	
	HB100161	Colourless	

* It can be used to convert Gen Next actuator series to TK3 Ø30 mm mounting.

Metal Plates - Spare	Cat. No.	M.R.P. (₹) Per Unit
 Small	HH2420122	13
 Large	HH2420124	13
 Square	HH2420123	13

Note: Printing as per customer requirement

Fixing Device	Cat. No.	M.R.P. (₹) Per Unit
	HH192000	44

Plastic Plate	Cat. No.	M.R.P. (₹) Per Unit
 Yellow legend plate	HB135000	37
 Protecting Shroud	HF195004	37

These products are manufactured by



Discontinued products

The following products have been discontinued Timing Devices & Supply Monitors

Timer Type	Discontinued		Alternate	
	Family	Cat. Nos.	Family	Cat. Nos.
Multifunction timer	Micon 350	37EDT4, 33EDT7, 36EDT7	Micon 225	2A6DT6
Multifunction timer	Micon 780	74MDT0, 70MDT0, 76MDT0	Micon 225	2A6DT6, 2B6DT6 (DIN Rail)
Star Delta timer		74SDT0		2BSDT0 (DIN Rail)
Star Delta timer		70SDT0		2ASDT0 (DIN Rail)
Asymmetrical timer		70ADT0, 74ADT0		2AADT5 (DIN Rail)
Multifunction timer		40MFS0, 40MFE0		Digicon, Micon 225
Assymetrical ON/OFF	Micon 480	40AFS0	Digicon, Micon 225	2AADT5 (DIN Rail Mounting)
Star Delta timer		40SFS0	Digicon, Micon 225	2ASDT0 (DIN Rail Mounting)
ON Delay timer		47OFE8, 43OFE8, 46OFE8	Digicon, Micon 225	2A6DT6 (DIN Rail Mounting)
Assymetrical ON/OFF and OFF/ON		Micon 225	2AJDT0	Micon 175
Hour meter	HM 48	K54SF1	HM 36	LA25F1
ON Delay timer	Micon 225	29ODT5	Micon 175	11ODT4 / 15ODT4
Assymetrical ON/OFF & OFF/ON		25ADT5		1CJDT0
Time Switches	Digi 20	D847B2	Crono	67DDT0
		D847F2		
Thermistor Relay+SPP	Supply Monitors	ML64BS, ML67BS, MLD4BS, MLD7BS	-	-
Timer	EM2000	C□□□B1	Micon 225	2AODT5

Modular Remote Control Units

Family Type	Actuator Type	Discontinued Cat. Nos.	Alternate Cat. Nos.
Standard series Illuminated Push button actuators	Flush head	HD16C□	EAL□□□□□FD1
	Projecting head push function	HD46C□	EAL□□□□□PD1
	Projecting head push push function	HF46C□	EAL□□□□□PF1
	Twin touch	HD16G□	EAL□□□□□TD1
Standard series Illuminated selector actuators	2 Position NSR	HK66C□	EAL□□□□□SK1
	2 Position SR	HI66C□	EAL□□□□□SI1
	3 Position NSR	HL66C□	EAL□□□□□SL1
	3 Position SR	HJ66C□	EAL□□□□□SJ1
	3 Position SR from LH	HM66C□	EAL□□□□□SM1
	3 Position SR from RH	HN66C□	EAL□□□□□SN1
Standard Series LED Indicator	TT Series indicator	TTO□□□	EIL□□□□
	TM Series indicator	TMO□XI	EIL□□□□
Standard Series Universal LED Indicator	Standard Series	TP0□Z1/TP0□Z2	EG0100L□□□□□

PS: EAL series comes with inbuilt LED holder

* 6th digit indicates colour

* 4th digit indicates colour and 5th, 6th, 7th and 8th digit indicates voltage

Disclaimer for Modular Remote Control Unit

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We reserve the right to make changes, without prior notice, in the catalogue.

Products with CAT no. having, with or without, dot as suffix are same.

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Notes:

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