



**SIEMENS**

*Ingenuity for life*



Our commitment is  
your safe future

Electrical Installations from A to Z

Price List w.e.f. 1st February, 2019



# Experience active communication

## Our Switchgear can now speak and obey your commands

Face the reality of remote monitoring and controlling of our DI products. Yes, our MCBs and RCDs can now speak and obey your commands!

The Siemens solution for remote communication capability facilitates the following applications, which are inevitable in today's smart infrastructures like Data centers, Commercial Buildings, Energy Management Systems etc.

### The solution covers:

- Remote Controlling (ON/OFF) of Final Distribution components (like MCBs/RCDs)
- ON/OFF Status monitoring of all modules for Final distribution products
- Fault Trip Status of components at Final Distribution level



For  
Industry  
Products

SIEMENS

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## Betagard 5SL MCBs – Inspiring Safety

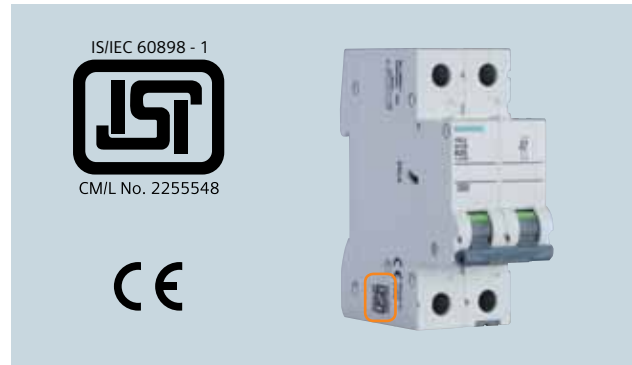
Siemens has always endeavoured to introduce innovative products worldwide.

Betagard 5SL MCBs offer numerous features -

- MCB with patented unique SLR feature
- ISI and CE marking
- Unique square terminal design
- Terminal covers for extra protection
- RoHS compliant
- Accessories for special applications
- Very low watt loss
- 20,000 operations on rated load



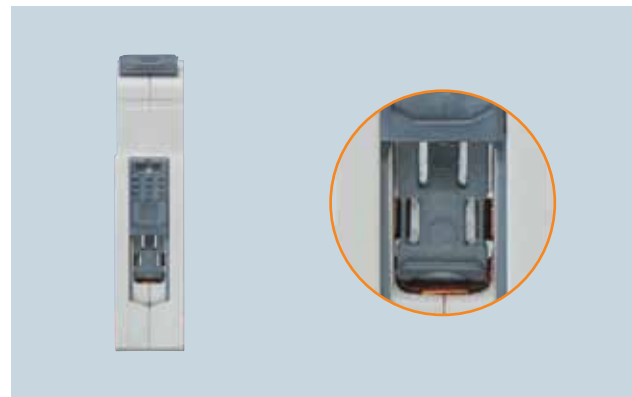
MCB with patented unique **SLR** (Slide Latch-Release) feature for tool free removal from DIN rail. It also allows individual MCB to be removed from bus bar mounted assembly without disturbing other devices



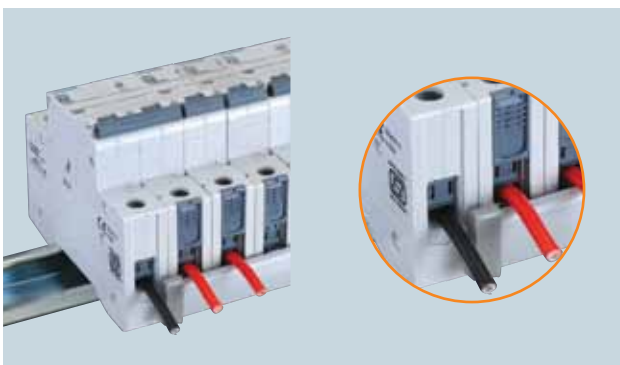
BIS approval for ISI marking as per latest ISI/IEC 60898-1:2002 for assured quality and protection



Unique design of square terminals of 35 Sq. mm



Highly effective terminal covers for protection against accidental electrical contact



Unique termination mechanism enables firm mounting of Bus bar together with wire; and provides front access to wires for safe installation



Side mounting accessories like auxiliary switches, fault signaling contacts and lever locking device available for special applications





# Betagard 5SL Miniature Circuit Breakers C Characteristics

IS/IEC 60898 - 1



CML No. 2255548

- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz<sup>^</sup>
- With ISI marking: CM/L No. 2255548

7500A	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg. ** (Nos.)	
	1P, 240/415V AC	1	5SL61057RC	370.-	1/12	
	0.5	1	5SL61017RC	370.-	1/12	
	1	1	5SL61027RC	370.-	1/12	
	2	1	5SL61037RC	370.-	1/12	
	3	1	5SL61047RC	370.-	1/12	
	4	1	5SL61067RC	228.-	1/12	
	6	1	5SL61087RC	228.-	1/12	
	8	1	5SL61107RC	228.-	1/12	
	10	1	5SL61137RC	228.-	1/12	
	13	1	5SL61167RC	228.-	1/12	
	16	1	5SL61207RC	228.-	1/12	
	20	1	5SL61257RC	228.-	1/12	
	25	1	5SL61327RC	228.-	1/12	
	32	1	5SL61407RC	499.-	1/12	
	40	1	5SL61507RC	580.-	1/12	
	50	1	5SL61637RC	580.-	1/12	
	2P, 415V AC	2	5SL62057RC	978.-	1/6	
	0.5	2	5SL62017RC	978.-	1/6	
	1	2	5SL62027RC	978.-	1/6	
	2	2	5SL62037RC	978.-	1/6	
	3	2	5SL62047RC	978.-	1/6	
	4	2	5SL62067RC	732.-	1/6	
	6	2	5SL62087RC	732.-	1/6	
	8	2	5SL62107RC	732.-	1/6	
	10	2	5SL62137RC	732.-	1/6	
	13	2	5SL62167RC	732.-	1/6	
	16	2	5SL62207RC	732.-	1/6	
	20	2	5SL62257RC	732.-	1/6	
	25	2	5SL62327RC	732.-	1/6	
	32	2	5SL62407RC	1009.-	1/6	
	40	2	5SL62507RC	1195.-	1/6	
	50	2	5SL62637RC	1195.-	1/6	
	3P, 415V AC	3	5SL63057RC	1373.-	1/4	
	0.5	3	5SL63017RC	1373.-	1/4	
	1	3	5SL63027RC	1373.-	1/4	
	2	3	5SL63047RC	1373.-	1/4	
	4	3	5SL63067RC	1089.-	1/4	
	6	3	5SL63107RC	1089.-	1/4	
	10	3	5SL63167RC	1089.-	1/4	
	16	3	5SL63207RC	1089.-	1/4	
	20	3	5SL63257RC	1089.-	1/4	
	25	3	5SL63327RC	1089.-	1/4	
	32	3	5SL63407RC	1525.-	1/4	
	40	3	5SL63507RC	1703.-	1/4	
	50	3	5SL63637RC	1703.-	1/4	
	63	3				
		4P, 415V AC	4	5SL64057RC	1895.-	1/3
		0.5	4	5SL64017RC	1895.-	1/3
1		4	5SL64027RC	1895.-	1/3	
2		4	5SL64047RC	1895.-	1/3	
4		4	5SL64067RC	1507.-	1/3	
6		4	5SL64107RC	1507.-	1/3	
10		4	5SL64167RC	1507.-	1/3	
16		4	5SL64207RC	1507.-	1/3	
20		4	5SL64257RC	1507.-	1/3	
25		4	5SL64327RC	1507.-	1/3	
32		4	5SL64407RC	1964.-	1/3	
40		4	5SL64507RC	2254.-	1/3	
50		4	5SL64637RC	2254.-	1/3	
63		4				

■ Stock items

Note:

\* MRP - Maximum Retail Price

# 1MW (Module Width) = 18mm





\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)



# Betagard 5SL Miniature Circuit Breakers B Characteristics

- **Standards:** IS/IEC 60898-1:2002
- **Voltage:** Un 240/415V, 50...60Hz
- **With ISI marking:** CM/L No. 2255548

7500A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
1P, 240/415V AC 	6	1	5SL61066RC	223.-	1/12
	10		5SL61106RC	223.-	1/12
	16		5SL61166RC	223.-	1/12
	20		5SL61206RC	223.-	1/12
	25		5SL61256RC	223.-	1/12
	32		5SL61326RC	223.-	1/12
	40		5SL61406RC	497.-	1/12
	50		5SL61506RC	558.-	1/12
	63		5SL61636RC	558.-	1/12
2P, 415V AC 	6	2	5SL62066RC	716.-	1/6
	10		5SL62106RC	716.-	1/6
	16		5SL62166RC	716.-	1/6
	20		5SL62206RC	716.-	1/6
	25		5SL62256RC	716.-	1/6
	32		5SL62326RC	716.-	1/6
	40		5SL62406RC	1009.-	1/6
	50		5SL62506RC	1186.-	1/6
	63		5SL62636RC	1186.-	1/6
3P, 415V AC 	6	3	5SL63066RC	1089.-	1/4
	10		5SL63106RC	1089.-	1/4
	16		5SL63166RC	1089.-	1/4
	20		5SL63206RC	1089.-	1/4
	25		5SL63256RC	1089.-	1/4
	32		5SL63326RC	1089.-	1/4
	40		5SL63406RC	1505.-	1/4
	50		5SL63506RC	1688.-	1/4
	63		5SL63636RC	1688.-	1/4
4P, 415V AC 	6	4	5SL64066RC	1498.-	1/3
	10		5SL64106RC	1498.-	1/3
	16		5SL64166RC	1498.-	1/3
	20		5SL64206RC	1498.-	1/3
	25		5SL64256RC	1498.-	1/3
	32		5SL64326RC	1498.-	1/3
	40		5SL64406RC	1869.-	1/3
	50		5SL64506RC	2247.-	1/3
	63		5SL64636RC	2247.-	1/3

■ Stock items

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm


\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



# Betagard Miniature Circuit Breakers

## 5SL4, 10kA with C characteristics

- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz<sup>^</sup>
- Breaking capacity: 10kA as per IS/IEC 60898-1:2002
- With ISI marking: CM/L No. 2255548

10000A	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)	
	1P, 240/415V AC	0.5	1	5SL41057RC	428.-	1/12
	2	2	5SL41027RC	428.-	1/12	
	3	3	5SL41037RC	428.-	1/12	
	4	4	5SL41047RC	428.-	1/12	
	6	6	5SL41067RC	278.-	1/12	
	8	8	5SL41087RC	278.-	1/12	
	10	10	5SL41107RC	278.-	1/12	
	13	13	5SL41137RC	278.-	1/12	
	16	16	5SL41167RC	278.-	1/12	
	20	20	5SL41207RC	278.-	1/12	
	25	25	5SL41257RC	278.-	1/12	
	32	32	5SL41327RC	278.-	1/12	
	40	40	5SL41407RC	605.-	1/12	
	50	50	5SL41507RC	605.-	1/12	
63	63	5SL41637RC	605.-	1/12		
	2P, 415V AC	0.5	2	5SL42057RC	1137.-	1/6
	2	2	5SL42027RC	1137.-	1/6	
	3	3	5SL42037RC	1137.-	1/6	
	4	4	5SL42047RC	1137.-	1/6	
	6	6	5SL42067RC	814.-	1/6	
	8	8	5SL42087RC	814.-	1/6	
	10	10	5SL42107RC	814.-	1/6	
	13	13	5SL42137RC	814.-	1/6	
	16	16	5SL42167RC	814.-	1/6	
	20	20	5SL42207RC	814.-	1/6	
	25	25	5SL42257RC	814.-	1/6	
	32	32	5SL42327RC	814.-	1/6	
	40	40	5SL42407RC	1314.-	1/6	
	50	50	5SL42507RC	1314.-	1/6	
63	63	5SL42637RC	1314.-	1/6		
	3P, 415V AC	0.5	3	5SL43057RC	1836.-	1/4
	2	2	5SL43027RC	1836.-	1/4	
	3	3	5SL43037RC	1836.-	1/4	
	4	4	5SL43047RC	1836.-	1/4	
	6	6	5SL43067RC	1368.-	1/4	
	8	8	5SL43087RC	1368.-	1/4	
	10	10	5SL43107RC	1368.-	1/4	
	13	13	5SL43137RC	1368.-	1/4	
	16	16	5SL43167RC	1368.-	1/4	
	20	20	5SL43207RC	1368.-	1/4	
	25	25	5SL43257RC	1368.-	1/4	
	32	32	5SL43327RC	1368.-	1/4	
	40	40	5SL43407RC	2070.-	1/4	
	50	50	5SL43507RC	2070.-	1/4	
63	63	5SL43637RC	2070.-	1/4		
	4P, 415V AC	0.5	4	5SL44057RC	2310.-	1/3
	2	2	5SL44027RC	2310.-	1/3	
	3	3	5SL44037RC	2310.-	1/3	
	4	4	5SL44047RC	2310.-	1/3	
	6	6	5SL44067RC	1895.-	1/3	
	8	8	5SL44087RC	1895.-	1/3	
	10	10	5SL44107RC	1895.-	1/3	
	13	13	5SL44137RC	1895.-	1/3	
	16	16	5SL44167RC	1895.-	1/3	
	20	20	5SL44207RC	1895.-	1/3	
	25	25	5SL44257RC	1895.-	1/3	
	32	32	5SL44327RC	1895.-	1/3	
	40	40	5SL44407RC	2585.-	1/3	
	50	50	5SL44507RC	2585.-	1/3	
63	63	5SL44637RC	2585.-	1/3		

■ Stock items

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)

# Betagard Miniature Circuit Breakers 5SL7, with C characteristics



- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50....60Hz
- Breaking capacity: 15kA<sup>1)</sup> as per IS/IEC 60898-1

	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
1P, 240/415V AC 	2 4 6 10 16 20 25 32 40 50 63	1	5SL71027RC 5SL71047RC 5SL71067RC 5SL71107RC 5SL71167RC 5SL71207RC 5SL71257RC 5SL71327RC 5SL71407RC 5SL71507RC 5SL71637RC	495.- 495.- 425.- 425.- 425.- 425.- 425.- 425.- 610.- 610.- 610.-	1/12 1/12 1/12 1/12 1/12 1/12 1/12 1/12 1/12 1/12 1/12
2P, 415V AC 	2 4 6 10 16 20 25 32 40 50 63	2	5SL72027RC 5SL72047RC 5SL72067RC 5SL72107RC 5SL72167RC 5SL72207RC 5SL72257RC 5SL72327RC 5SL72407RC 5SL72507RC 5SL72637RC	1335.- 1335.- 970.- 970.- 970.- 970.- 970.- 970.- 1325.- 1325.- 1325.-	1/6 1/6 1/6 1/6 1/6 1/6 1/6 1/6 1/6 1/6 1/6
3P, 415V AC 	2 4 6 10 16 20 25 32 40 50 63	3	5SL73027RC 5SL73047RC 5SL73067RC 5SL73107RC 5SL73167RC 5SL73207RC 5SL73257RC 5SL73327RC 5SL73407RC 5SL73507RC 5SL73637RC	2045.- 2045.- 1540.- 1540.- 1540.- 1540.- 1540.- 1540.- 2150.- 2150.- 2150.-	1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4
4P, 415V AC 	2 4 6 10 16 20 25 32 40 50 63	4	5SL74027RC 5SL74047RC 5SL74067RC 5SL74107RC 5SL74167RC 5SL74207RC 5SL74257RC 5SL74327RC 5SL74407RC 5SL74507RC 5SL74637RC	2580.- 2380.- 2005.- 2005.- 2005.- 2005.- 2005.- 2005.- 2625.- 2625.- 2625.-	1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

1) Refer catalog for rating wise breaking capacities



# Betagard Miniature Circuit Breakers 5SL7, with D characteristics

- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50....60Hz
- Breaking capacity: 15kA<sup>1)</sup> as per IS/IEC 60898-1

	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg. ** (Nos.)
1P, 240/415V AC 	2	1	5SL71028RC	495.-	1/12
	4		5SL71048RC	495.-	1/12
	6		5SL71068RC	445.-	1/12
	10		5SL71108RC	445.-	1/12
	16		5SL71168RC	445.-	1/12
	20		5SL71208RC	445.-	1/12
	25		5SL71258RC	445.-	1/12
	32		5SL71328RC	445.-	1/12
	40		5SL71408RC	810.-	1/12
	50		5SL71508RC	810.-	1/12
63	5SL71638RC	810.-	1/12		
2P, 415V AC 	2	2	5SL72028RC	1335.-	1/6
	4		5SL72048RC	1335.-	1/6
	6		5SL72068RC	1020.-	1/6
	10		5SL72108RC	1020.-	1/6
	16		5SL72168RC	1020.-	1/6
	20		5SL72208RC	1020.-	1/6
	25		5SL72258RC	1020.-	1/6
	32		5SL72328RC	1020.-	1/6
	40		5SL72408RC	1765.-	1/6
	50		5SL72508RC	1765.-	1/6
63	5SL72638RC	1765.-	1/6		
3P, 415V AC 	2	3	5SL73028RC	2045.-	1/4
	4		5SL73048RC	2045.-	1/4
	6		5SL73068RC	1620.-	1/4
	10		5SL73108RC	1620.-	1/4
	16		5SL73168RC	1620.-	1/4
	20		5SL73208RC	1620.-	1/4
	25		5SL73258RC	1620.-	1/4
	32		5SL73328RC	1620.-	1/4
	40		5SL73408RC	2750.-	1/4
	50		5SL73508RC	2750.-	1/4
63	5SL73638RC	2750.-	1/4		
4P, 415V AC 	2	4	5SL74028RC	2620.-	1/3
	4		5SL74048RC	2620.-	1/3
	6		5SL74068RC	2140.-	1/3
	10		5SL74108RC	2140.-	1/3
	16		5SL74168RC	2140.-	1/3
	20		5SL74208RC	2140.-	1/3
	25		5SL74258RC	2140.-	1/3
	32		5SL74328RC	2140.-	1/3
	40		5SL74408RC	3450.-	1/3
	50		5SL74508RC	3450.-	1/3
63	5SL74638RC	3450.-	1/3		

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm


\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

1) Refer catalog for rating wise breaking capacities

## Betagard Miniature Circuit Breakers 5SY4, 10kA CBs with C characteristics

- Standards: IEC/EN 60947-2
- Voltage: Un 230/400V
- Breaking capacity: 10kA as per IEC/EN 60947-2

### C characteristic




10000A		Rated Current I <sub>n</sub> (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	1Pole	80A	1	5SY41807CC	2850.-	1/1
	2Pole		2	5SY42807CC	5605.-	1/1
	3Pole		3	5SY43807CC	8750.-	1/1
	4Pole		4	5SY44807CC	12545.-	1/1

## Betagard Miniature Circuit Breakers 5SP4, 10kA MCBs with C/D characteristics






- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V
- Breaking capacity: 10kA as per IS/IEC 60898-1:2002
- With ISI marking: CM/L No. 2255548

### C characteristic

10000A		Rated Current I <sub>n</sub> (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	1-pole	80	1.5	5SP41807RC	2800.-	1/10
		100		5SP41917RC	2950.-	1/10
		125		5SP41927RC	3350.-	1/10
	2-pole	80	3	5SP42807RC	5500.-	1/5
		100		5SP42917RC	5800.-	1/5
		125		5SP42927RC	6560.-	1/5
	3-pole	80	4.5	5SP43807RC	8585.-	1
		100		5SP43917RC	8810.-	1
		125		5SP43927RC	10095.-	1
	4-pole	80	6	5SP44807RC	12310.-	1
		100		5SP44917RC	12665.-	1
		125		5SP44927RC	14420.-	1

### D characteristic

	1-pole	80	1.5	5SP41808RC	3085.-	1/10
		100		5SP41918RC	3235.-	1/10
	2-pole	80	3	5SP42808RC	6190.-	1/5
		100		5SP42918RC	6565.-	1/5
	3-pole	80	4.5	5SP43808RC	9540.-	1
		100		5SP43918RC	9630.-	1
	4-pole	80	6	5SP44808RC	13415.-	1
		100		5SP44918RC	13750.-	1



Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Betagard Circuit Breakers 5SL5, 10kA DC with C Characteristics

- Standards: IS/IEC 60947-2
- Voltage: 220V DC/1P & 440VDC/2P ^
- Breaking capacity: 10kA as per IS/IEC 60947-2

10000A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg. ** (Nos.)
	0.5	1	5SL51057RC	710.-	1/12
	1		5SL51017RC	710.-	1/12
	2		5SL51027RC	765.-	1/12
	4		5SL51047RC	765.-	1/12
	6		5SL51067RC	650.-	1/12
	10		5SL51107RC	650.-	1/12
	16		5SL51167RC	650.-	1/12
	20		5SL51207RC	650.-	1/12
	25		5SL51257RC	650.-	1/12
	32		5SL51327RC	650.-	1/12
	40		5SL51407RC	970.-	1/12
	50		5SL51507RC	970.-	1/12
	63		5SL51637RC	970.-	1/12
	0.5	2	5SL52057RC	1545.-	1/6
	1		5SL52017RC	1545.-	1/6
	2		5SL52027RC	1545.-	1/6
	4		5SL52047RC	1545.-	1/6
	6		5SL52067RC	1355.-	1/6
	10		5SL52107RC	1355.-	1/6
	16		5SL52167RC	1355.-	1/6
	20		5SL52207RC	1355.-	1/6
	25		5SL52257RC	1355.-	1/6
	32		5SL52327RC	1355.-	1/6
	40		5SL52407RC	2000.-	1/6
	50		5SL52507RC	2000.-	1/6
	63		5SL52637RC	2000.-	1/6




■ Stock items

^ For connection diagram, contact Siemens Sales Office for further details.

• Also available DC Circuit Breakers for Solar applications - contact Siemens sales office for further details.

## Betagard Isolators 5TL1

- Standard: IS/IEC 60947-3
- Voltage: 440V AC

	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg. ** (Nos.)
	32	2	5TL12320	545.-	1/1
	40		5TL12400	560.-	1/1
	63		5TL12630	740.-	1/1
	80		5TL12800	970.-	1/1
	100		5TL12910	1235.-	1/1
	125		5TL12920	1285.-	1/1
	32	3	5TL13320	905.-	1/1
	40		5TL13400	1050.-	1/1
	63		5TL13630	1170.-	1/1
	80		5TL13800	1420.-	1/1
	100		5TL13910	1490.-	1/1
	125		5TL13920	1615.-	1/1
	32	4	5TL14320	1035.-	1/1
	40		5TL14400	1230.-	1/1
	63		5TL14630	1395.-	1/1
	80		5TL14800	1680.-	1/1
	100		5TL14910	2020.-	1/1
	125		5TL14920	2195.-	1/1

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



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**Celebrate Life, while we Care.**



# Betagard 5SV

## Residual Current Circuit Breakers



In the event of a fault, residual current protective devices reliably disconnect power to protect humans

### Fault protection

“Protection against indirect contact”

Protects people in the event of contact with electrically conductive parts, if a risk exists as a result of a fault due to the magnitude or duration of the touch voltage



### Additional protection

“Protection in case of direct contact” with  $I_{\Delta n} = 30\text{mA}$

Protects individuals if they come in direct contact with an active live part under normal operating condition



### Fire protection

“Protection from insulation faults” with  $I_{\Delta n} = 300\text{mA}$

For the prevention of fires which can be caused by insulation faults in locations exposed to fire hazards



### Surge current withstand capability

“Protection surge currents” with  $8/20\mu\text{s} > 1000\text{Amp}$

For Type “A”  have a surge current capability to avoid nuisance tripping





# Betagard Residual Current Circuit Breakers 5SV





- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415VAC, 50Hz
- With ISI marking: CM/L No. 7676092

## Type AC, applicable in networks for AC residual currents

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)	
	2 Pole	30	25	2			
		100	25		■ 5SV43120RC	3195.-	1
		300	25		5SV44120RC	3335.-	1
		30	40		5SV46120RC	3350.-	1
		100	40		■ 5SV43140RC	3745.-	1
		300	40		5SV44140RC	3905.-	1
		30	63		5SV46140RC	3940.-	1
		100	63		■ 5SV43160RC	5005.-	1
		300	63		5SV44160RC	5045.-	1
		30	80		5SV46160RC	5215.-	1
		100	80		5SV43170RC	7530.-	1
		300	80		5SV44170RC	7825.-	1
				5SV46170RC	7825.-	1	
	4 Pole	30	25	4			
		100	25		■ 5SV43420RC	4275.-	1
		300	25		5SV44420RC	4435.-	1
		30	40		5SV46420RC	4470.-	1
		100	40		■ 5SV43440RC	4330.-	1
		300	40		5SV44440RC	4495.-	1
		30	63		5SV46440RC	4535.-	1
		100	63		■ 5SV43460RC	5045.-	1
		300	63		5SV44460RC	5245.-	1
		30	80		5SV46460RC	5280.-	1
		100	80		5SV43470RC	7530.-	1
		300	80		5SV44470RC	7825.-	1
				5SV46470RC	7825.-	1	

## Type A, applicable in networks with AC and/or pulsating DC residual currents

	2 Pole	30	25	2			
		100	25		5SV33126RC	5410.-	1
		300	25		5SV34126RC	6370.-	1
		30	40		5SV36126RC	6370.-	1
		100	40		5SV33146RC	6135.-	1
		300	40		5SV34146RC	6390.-	1
		30	63		5SV36146RC	6390.-	1
		100	63		5SV33166RC	8920.-	1
		300	63		5SV34166RC	9170.-	1
		30	80		5SV36166RC	8735.-	1
		100	80		5SV33176RC	9595.-	1
		300	80		5SV34176RC	10320.-	1
				5SV36176RC	9825.-	1	
	4 Pole	30	25	4			
		100	25		5SV33426RC	6415.-	1
		300	25		5SV34426RC	7915.-	1
		30	40		5SV36426RC	7915.-	1
		100	40		5SV33446RC	7080.-	1
		300	40		5SV34446RC	7915.-	1
		30	63		5SV36446RC	7915.-	1
		100	63		5SV33466RC	8085.-	1
		300	63		5SV34466RC	8040.-	1
		30	80		5SV36466RC	8040.-	1
		100	80		5SV33476RC	9725.-	1
		300	80		5SV34476RC	10320.-	1
				5SV36476RC	9825.-	1	

■ Stock items

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm


\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details




# Betagard Residual Current Circuit Breakers 5SM3

- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415VAC, 50Hz
- With ISI marking: CM/L No. 7676092

## Type AC, applicable in networks for AC residual currents

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	30	100	4	5SM33480RC	38465.-	1
	100	100		5SM34480RC	34130.-	1
	300	100		5SM36480RC	32350.-	1
	30	125		5SM33450RC	38465.-	1
	100	125		5SM34450RC	34130.-	1
	300	125		5SM36450RC	32350.-	1
	500	125		5SM37450RC	37255.-	1

## Type A, applicable in networks with AC and/or pulsating DC residual currents

	30	100	4	5SM33486RC	35255.-	1
	100	100		5SM34486RC	33985.-	1
	300	100		5SM36486RC	34530.-	1
	30	125		5SM33456RC	35255.-	1
	100	125		5SM34456RC	33985.-	1
	300	125		5SM36456RC	37665.-	1
	500	125		5SM37456RC	38815.-	1

Note:

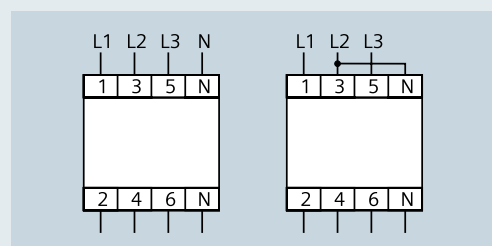
\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm









\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

### RCCB suitability for various distribution networks.

Betagard RCCBs can be used in all 3 distribution network types viz. TN, TT & an IT network system. 4 pole RCCBs can also be used in 3 pole supply networks by adhering to installation guidelines. In this case, connection must be at terminals 1, 3 and 5 and 2, 4 and 6.

The function of the test equipment is only ensured if a jumper is fitted between terminals 3 and N.



Type of current	Current waveform	Correct function of residual current protective devices of type		Tripping current <sup>1)</sup>
		Type AC 	Type A 	
AC residual current		✓	✓	0.5 ... 1.0 $I_{\Delta n}$
Pulsating DC residual currents (pos. or neg. half-waves)		-	✓	0.35 ... 1.4 $I_{\Delta n}$
Started half-wave currents		-	✓	0.25 ... 1.4 $I_{\Delta n}$
Start angle 90° el		-	✓	0.11 ... 1.4 $I_{\Delta n}$
Start angle 135° el		-	✓	0.11 ... 1.4 $I_{\Delta n}$
Half-wave current during superimposition with smooth direct current of 6 mA		-	✓	max. 1.4 $I_{\Delta n}$ + 6 mA


<sup>1)</sup> Tripping currents according to IEC/EN 61008-1 (VDE 0664, Part-10); for smooth DC residual currents defined to IEC 60755 UB1 INT.

# Betagard Residual Current Breaker Operators 5SU1, 10kA





- Standards: IS 12640, Part 2:2008/IEC 61009-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676193



## Type AC, with C Characteristics (in 2 module size)

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	240Vac; 50Hz; 2 pole <sup>1)</sup>		2	5SU13541RC06	4980.-	1
	30	6		5SU13541RC10	4980.-	1
	30	10		5SU13541RC16	4980.-	1
	30	16		5SU13541RC20	4980.-	1
	30	20		5SU13541RC25	4980.-	1
	30	25		5SU13541RC32	5230.-	1
	30	32		5SU13541RC40	6185.-	1
	300	6		5SU16541RC06	5075.-	1
	300	10		5SU16541RC10	5075.-	1
	300	16		5SU16541RC16	5075.-	1
	300	20		5SU16541RC20	5075.-	1
	300	25		5SU16541RC25	5075.-	1
	300	32		5SU16541RC32	5335.-	1
	300	40		5SU16541RC40	6305.-	1

## Type AC with C characteristic

	240Vac; 50Hz; 2 pole		4	5SU13241RC32	4745.-	1
	30	32		5SU13241RC40	5530.-	1
		40		5SU13241RC63	6430.-	1
		63		5SU14241RC32	5240.-	1
	100	32		5SU14241RC40	5885.-	1
		40		5SU14241RC63	6855.-	1
		63		5SU16241RC32	5295.-	1
	300	32		5SU16241RC40	5940.-	1
		40		5SU16241RC63	6855.-	1
63						
	415Vac; 50Hz; 4 pole		7	5SU13441RC32	6340.-	1
	30	32		5SU13441RC40	6450.-	1
		40		5SU13441RC63	7655.-	1
		63		5SU14441RC32	6415.-	1
	100	32		5SU14441RC40	6540.-	1
		40		5SU14441RC63	7520.-	1
		63		5SU16441RC32	6465.-	1
	300	32		5SU16441RC40	6595.-	1
		40		5SU16441RC63	7590.-	1
		63				

## Type AC with D characteristic

	240Vac; 50Hz; 2 pole		4	5SU13242RC32	6120.-	1
	30	32		5SU13242RC40	6705.-	1
		40		5SU13242RC63	8080.-	1
		63		5SU14242RC32	7405.-	1
	100	32		5SU14242RC40	8105.-	1
		40		5SU14242RC63	9255.-	1
		63		5SU16242RC32	7240.-	1
	300	32		5SU16242RC40	8105.-	1
		40		5SU16242RC63	9265.-	1
63						
	415Vac; 50Hz; 4 pole		7	5SU13442RC32	8380.-	1
	30	32		5SU13442RC40	8510.-	1
		40		5SU13442RC63	10090.-	1
		63		5SU14442RC32	9070.-	1
	100	32		5SU14442RC40	9475.-	1
		40		5SU14442RC63	10505.-	1
		63		5SU16442RC32	8955.-	1
	300	32		5SU16442RC40	9570.-	1
		40		5SU16442RC63	10290.-	1
		63				

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm <sup>1)</sup> 1P+N variant


\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

# Betagard Residual Current Breaker Operators 5SU1, 10kA





- Standards: IS 12640, Part 2:2008/IEC 61009-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676193

## Type A, with C Characteristics (in 2 module size)


	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	240Vac; 50Hz; 2 pole <sup>1)</sup>					
	30	6	2	5SU13547RC06	9100.-	1
	30	10		5SU13547RC10	9100.-	1
	30	16		5SU13547RC16	9100.-	1
	30	20		5SU13547RC20	9100.-	1
	30	25		5SU13547RC25	9100.-	1
	30	32		5SU13547RC32	9515.-	1
	30	40		5SU13547RC40	11515.-	1
	300	6		5SU16547RC06	9370.-	1
	300	10		5SU16547RC10	9370.-	1
	300	16		5SU16547RC16	9370.-	1
	300	20		5SU16547RC20	9370.-	1
	300	25		5SU16547RC25	9370.-	1
	300	32		5SU16547RC32	9745.-	1
	300	40		5SU16547RC40	11750.-	1


## Type A with C characteristic

	240Vac; 50Hz; 2 pole					
	30	32	4	5SU13247RC32	8595.-	1
		40		5SU13247RC40	9460.-	1
		63		5SU13247RC63	10700.-	1
	100	32		5SU14247RC32	9175.-	1
		40		5SU14247RC40	10190.-	1
		63		5SU14247RC63	11580.-	1
	300	32		5SU16247RC32	9175.-	1
		40		5SU16247RC40	10190.-	1
	63		5SU16247RC63	11580.-	1	

	415Vac; 50Hz; 4 pole					
	30	32	7	5SU13447RC32	10530.-	1
		40		5SU13447RC40	10960.-	1
		63		5SU13447RC63	12540.-	1
	100	32		5SU14447RC32	11290.-	1
		40		5SU14447RC40	11510.-	1
		63		5SU14447RC63	12865.-	1
	300	32		5SU16447RC32	11290.-	1
		40		5SU16447RC40	11710.-	1
	63		5SU16447RC63	13065.-	1	

## Type A with D characteristic

	240Vac; 50Hz; 2 pole					
	30	32	4	5SU13248RC32	10035.-	1
		40		5SU13248RC40	11325.-	1
		63		5SU13248RC63	12880.-	1
	100	32		5SU14248RC32	10795.-	1
		40		5SU14248RC40	12005.-	1
		63		5SU14248RC63	13675.-	1
	300	32		5SU16248RC32	10795.-	1
		40		5SU16248RC40	12005.-	1
	63		5SU16248RC63	13675.-	1	

	415Vac; 50Hz; 4 pole					
	30	32	7	5SU13448RC32	12420.-	1
		40		5SU13448RC40	12575.-	1
		63		5SU13448RC63	14830.-	1
	100	32		5SU14448RC32	13080.-	1
		40		5SU14448RC40	13980.-	1
		63		5SU14448RC63	15220.-	1
	300	32		5SU16448RC32	13080.-	1
		40		5SU16448RC40	13980.-	1
	63		5SU16448RC63	15225.-	1	

Note: \* MRP - Maximum Retail Price







# 1MW (Module Width) = 18mm

<sup>1)</sup> 1P+N variant

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details




## Accessories for 5SL / 5SY / 5SP MCBs, 5TL isolators, 5SV RCCBs and 5SU1 RCBOs

Item Description	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)	
 <p><b>Aux contact block</b> (For 5SL/5SY/5SP4/5TL/5SV/5SU1)</p> <p>1NO+1NC 2NO 2NC</p>	5ST3010	1025.-	12	
	5ST3011	1040.-	1	
	5ST3012	1040.-	1	
	<p><b>Fault signal contact</b> (For 5SL/5SY/5SP4/5SV/5SU1)</p> <p>1NO+1NC 2NO 2NC</p>	5ST3020	1505.-	1
		5ST3021	1530.-	1
		5ST3022	1530.-	1
<p><b>Shunt release</b> (For 5SL5/5SL7/5SY/5SP4/5SV/5SU1)</p> <p>110...415V AC 24...48V DC</p>	5ST3030	4225.-	1/5	
	5ST3031	4225.-	1/5	
 <p><b>Undervoltage release</b> (For 5SL5/5SL7/5SY/5SP4/5SV/5SU1)</p> <p>With integrated aux. switch 230V AC 110V DC 24V DC</p> <p>Without integrated aux. switch 230V AC 110V DC 24V DC</p>	5ST3040	5665.-	1/5	
	5ST3041	5665.-	1/5	
	5ST3042	5665.-	1/5	
	5ST3043	5665.-	1/5	
	5ST3044	5665.-	1/5	
	5ST3045	5665.-	1/5	
	 <p><b>Remote control mechanism unit</b> Basic version for 5SL,5SY,5TL1 and 5SU1 (1P+N only) (12-30)VAC &amp; (12-48)VDC, 1.5MW 230VAC, 2MW</p> <p>Power version for 5SL,5SY,5TL1 and 5SU1 (12-30)VAC &amp; (12-48)VDC, 2MW 230VAC, 2MW</p> <p>Adapter for Remote control mechanism (To be ordered along with 5ST305X basic unit) For 5SL - 1P &amp; 2P, 5SV - 4P For 5SL - 3P &amp; 4P For 5SY - 1P &amp; 2P and For 5SU1^ - 2P, 4M For 5SY - 3P &amp; 4P and For 5SU1^ - 4P, 7M For 5TL1 - 2P For 5TL1 - 3P &amp; 4P For 5SU1 - 2P, 2M ^ Add-on block for 5SU1 to be ordered along with Adapter</p>	5ST3053	25260.-	1
		5ST3054	25260.-	1
5ST3055		42750.-	1	
5ST3056		42750.-	1	
5ST38206		535.-	1	
5ST38207		535.-	1	
5ST38201		535.-	1	
5ST38202		535.-	1	
5ST38208		535.-	1	
5ST38211		535.-	1	
5ST38205	535.-	1		
5ST38203	1165.-	1		
 <p><b>Handle locking device</b> for 5SP and 5SY circuit breakers for padlock with max. 3mm shackle</p>	5ST3801	525.-	1	
	5ST3806	495.-	5	
 <p>Pad locks for 5ST3801 and 5ST3806 handle locking devices</p>	5ST3802	335.-	5	
 <p>Handle connector for 2P, 2M RCBOs<sup>5</sup></p>	5ST38051	1045.-	1	

## Accessories for Residual Current Circuit Breakers, Type 5SM3

Item Description	Reference No.	Unit MRP* ₹	Std. Pkg.** (Nos.)
Aux contact block 1NO+1NC, 25A to 80A	5SW3300	2100.-	1/10
Aux contact block 1NO+1NC, 100A to 125A	5SW3330	4350.-	1/10

## Betagard Rotary Handle Assembly

Item Description	Reference No.	Unit MRP* ₹	Std. Pkg.** (Nos.)
 <p>Rotary Handle Assembly for 5SY, 5SL, 5SP and 5TL1 series of MCBs/ Isolators<sup>55</sup></p>	5ST38140RC	1880.-	1

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\$ For 2P, 2M RCBOs, the accessories can be used along with Handle connector only

\$\$ Not suitable for 1P MCBs

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

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Flexible



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## DBs for Solar Applications

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- Standardized executions for variety of configurations
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- Modular extension Boxes, Canopies and accessories enhances flexibility and improve usability

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## Arc Fault Detection Device

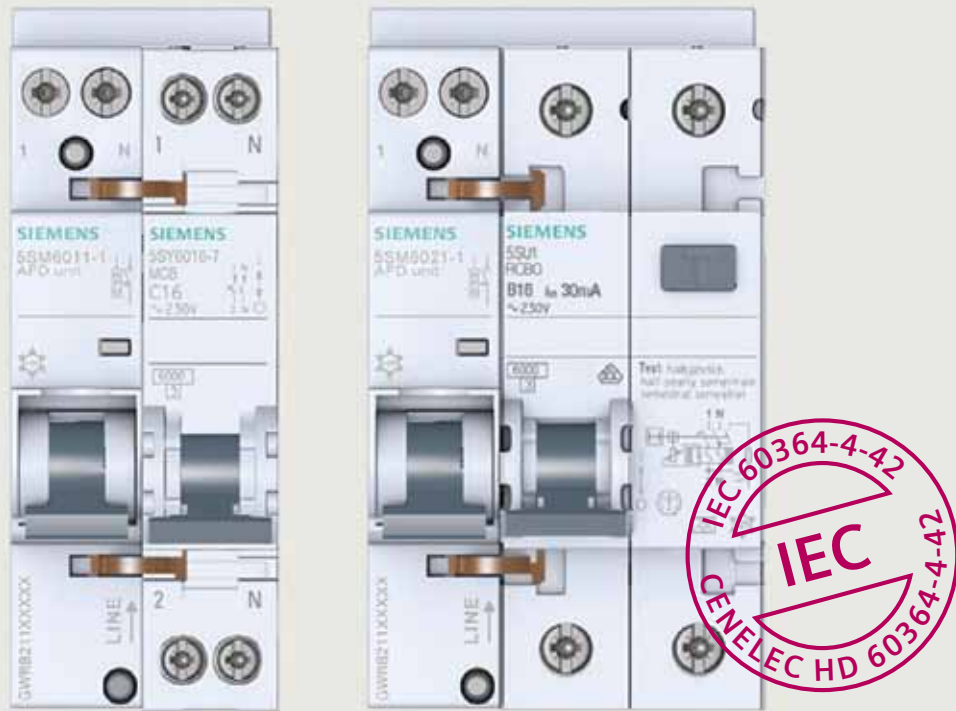
**First in Safety**

As the first AFD unit, the protection device protects human lives and buildings reliably against fires caused by electricity.

The 5SM6 AFD unit from Siemens is the first one of its kind that detects serial arcing faults at an early stage. It is established since 2012 and fulfills all relevant rules and standards. With the publishing of the IEC 60364-4-42, the installation is strongly recommended all over Europe.

The 5SM6 AFD unit closes the existing safety gap and is part of a complete protection concept by Siemens – one stop safety

[www.siemens.com/afd-units](http://www.siemens.com/afd-units)



AFD units with a mounted 1+N, 1MW MCB and 5SU1 RCBO

## The smart solution.

Whether in an existing plant or a new installation – the 5SM6 AFD unit can be deployed in any distribution board. It quickly identifies dangerous faults caused by parallel or serial arcing faults and switches off before a fire occurs. The AFD unit detects operational arcing faults and only trips in the event of an actual fault.

### Moreover the 5SM6 AFD unit offers:

- comprehensive fire protection for humans, plants and assets
- reliable covering of the existing protection gap
- enhanced protection from electrical fires in combination with MCBs or RCBOs

Reference no.	Description
5SM6011XX02	AFDD 16A, 230V, 2MW (Integrated with 1MW, 1+N, 6kA, 16A MCB)
5SM6021-2	AFDD 1-16A, 230V, 1MW (Suitable for 2P, 2M RCBO, RCBO to be ordered separately)
5SM6024-2	AFDD 1-40A, 230V, 1MW (Suitable for 2P, 2M RCBO, RCBO to be ordered separately)

Read the QR code with your QR code reader.



For prices and more options contacts Siemens Sales Office.

[siemens.com/AFDD](https://www.siemens.com/AFDD)



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*Ingenuity for life*








## Perfect blend of beauty and features with assured performance

### Betagard Distribution Boards

- Complete range for Residential, Commercial and Industrial Infrastructures
- DBs offer latest design with highest aesthetic appeal
- DBs available with type testing as per the latest applicable standards
- User friendly design offers ease during maintenance and assists the installer for correct installation

## Betagard Distribution Boards 8GB32 # SPN and TPN DBs

- Type Tested as per IEC 61439 Standards at neutral and internal test laboratories.
- Available in IP 20 and IP 43 Versions.
- Single Door, Metal Double Door and Acrylic Double Door options available.
- Standard Wire Way Boxes available for all single Door and Double Door DBs.
- Additional safety to users and Installers by Insulated Shorting Links, Shrouded Neutral Links and Door Earthing.
- TPN DBs can be easily made suitable for PPI configuration using TPN to PPI Conversion Kits.
- Detachable DIN rail assembly and intermittent door facilitates ease in Wiring during installation and maintenance.
- DBs are subjected to seven tanks Process and treated with Premier quality powder coating.
- Cement Masking Sheet protects the DBs against extreme site conditions.

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Metal Enclosures, IP20:</b>							
	1 Module	–	–	1	8GB32100RC01	445.-	1/20
	2 Module	–	–	2	8GB32100RC02	660.-	1/20
	3 Module	–	–	3	8GB32100RC03	660.-	1/20
	4 Module	–	–	4	8GB32100RC04	660.-	1/20
	6 Module	–	–	6	8GB32100RC06	875.-	1/20
	8 Module	–	–	8	8GB32100RC08	1025.-	1/10
<b>SPN Single Door DBs, IP20:</b>							
	6 Module	2	4	6	8GB32101RC06	1380.-	1
	8 Module	2	6	8	8GB32101RC08	1465.-	1
	10 Module	2	8	10	8GB32101RC10	1770.-	1
	12 Module	2	10	12	8GB32101RC12	1835.-	1
	14 Module	2	12	14	8GB32101RC14	2070.-	1
	16 Module	2	14	16	8GB32101RC16	2230.-	1
<b>SPN Metal Double Door DBs, IP 43:</b>							
	6 Module	2	4	6	8GB32102RC06	2160.-	1
	8 Module	2	6	8	8GB32102RC08	2245.-	1
	10 Module	2	8	10	8GB32102RC10	2615.-	1
	12 Module	2	10	12	8GB32102RC12	2685.-	1
	14 Module	2	12	14	8GB32102RC14	3125.-	1
	16 Module	2	14	16	8GB32102RC16	3205.-	1
<b>SPN Acrylic Double Door DBs, IP 43:</b>							
	6 Module	2	4	6	8GB32103RC06	2540.-	1
	8 Module	2	6	8	8GB32103RC08	2685.-	1
	10 Module	2	8	10	8GB32103RC10	3125.-	1
	12 Module	2	10	12	8GB32103RC12	3355.-	1
	14 Module	2	12	14	8GB32103RC14	3505.-	1
	16 Module	2	14	16	8GB32103RC16	3650.-	1
<b>Wire Way Box For SPN Single Door IP 20 DBs:</b>							
	For 6 MOD SPN Single door DB	–	–	–	8GB32106RC06	910.-	1/5
	For 8 MOD SPN Single door DB	–	–	–	8GB32106RC08	910.-	1/5
	For 10 MOD SPN Single door DB	–	–	–	8GB32106RC10	980.-	1/5
	For 12 MOD SPN Single door DB	–	–	–	8GB32106RC12	980.-	1/5
	For 14 MOD SPN Single door DB	–	–	–	8GB32106RC14	1130.-	1/5
	For 16 MOD SPN Single door DB	–	–	–	8GB32106RC16	1130.-	1/5
<b>Wire Way Box For SPN Double Door IP 43 DBs:</b>							
	For 6 MOD SPN Double door DB	–	–	–	8GB32107RC06	980.-	1/5
	For 8 MOD SPN Double door DB	–	–	–	8GB32107RC08	980.-	1/5
	For 10 MOD SPN Double door DB	–	–	–	8GB32107RC10	1060.-	1/5
	For 12 MOD SPN Double door DB	–	–	–	8GB32107RC12	1060.-	1/5
	For 14 MOD SPN Double door DB	–	–	–	8GB32107RC14	1355.-	1/5
	For 16 MOD SPN Double door DB	–	–	–	8GB32107RC16	1355.-	1/5

Note: \* MRP - Maximum Retail Price # Also available in flat door option  
For Customized Solutions in Distribution Boards please Contact our sales Office

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Betagard Distribution Boards 8GB32 # SPN and TPN DBs

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>TPN Single Door DBs, IP20:</b>							
	4 way	8	12	20	8GB32201RC04	3475.-	1
	6 way	8	18	26	8GB32201RC06	3950.-	1
	8 way	8	24	32	8GB32201RC08	4770.-	1
	10 way	8	30	38	8GB32201RC10	6915.-	1
	12 way	8	36	44	8GB32201RC12	7060.-	1
	14 way	8	42	50	8GB32201RC14	8100.-	1
	16 way	8	48	56	8GB32201RC16	8405.-	1
<b>TPN Metal Double Door DBs, IP 43</b>							
	4 way	8	12	20	8GB32202RC04	4250.-	1
	6 way	8	18	26	8GB32202RC06	5135.-	1
	8 way	8	24	32	8GB32202RC08	6175.-	1
	10 way	8	30	38	8GB32202RC10	8920.-	1
	12 way	8	36	44	8GB32202RC12	9140.-	1
	14 way	8	42	50	8GB32202RC14	10850.-	1
	16 way	8	48	56	8GB32202RC16	11155.-	1
<b>TPN Acrylic Double Door DBs, IP 43</b>							
	4 way	8	12	20	8GB32203RC04	5135.-	1
	6 way	8	18	26	8GB32203RC06	6325.-	1
	8 way	8	24	32	8GB32203RC08	7585.-	1
	10 way	8	30	38	8GB32203RC10	9890.-	1
	12 way	8	36	44	8GB32203RC12	11515.-	1
	14 way	8	42	50	8GB32203RC14	12335.-	1
	16 way	8	48	56	8GB32203RC16	13160.-	1
<b>TPN to PPI Conversion Kit®</b>							
	To convert 6 way TPN DB to 4 way TPN PPI DB				8GB32205RC04	2685.-	1/5
	To convert 8 way TPN DB to 6 way TPN PPI DB				8GB32205RC06	3125.-	1/5
	To convert 10 way TPN DB to 8 way TPN PPI DB				8GB32205RC08	3205.-	1/5
	To convert 12 way TPN DB to 10 way TPN PPI DB				8GB32205RC10	3425.-	1/5
	To convert 14 way TPN DB to 12 way TPN PPI DB				8GB32205RC12	3650.-	1/5
	To convert 16 way TPN DB to 14 way TPN PPI DB				8GB32205RC14	3870.-	1/5
<b>Wire Way Box For TPN Single Door IP 20 DBs</b>							
	For 4 Way TPN Single door DB	-	-	-	8GB32206RC04	1130.-	1/5
	For 6 Way TPN Single door DB	-	-	-	8GB32206RC06	1130.-	1/5
	For 8 Way TPN Single door DB	-	-	-	8GB32206RC08	2020.-	1/5
	For 10 Way TPN Single door DB	-	-	-	8GB32206RC10	2540.-	1/5
	For 12 Way TPN Single door DB	-	-	-	8GB32206RC12	2615.-	1/5
	For 14 Way TPN Single door DB	-	-	-	8GB32206RC14	2685.-	1/5
	For 16 Way TPN Single door DB	-	-	-	8GB32206RC16	2840.-	1/5
<b>Wire Way Box For TPN Double Door IP 43 DBs</b>							
	For 4 Way TPN Double door DB	-	-	-	8GB32207RC04	1205.-	1/5
	For 6 Way TPN Double door DB	-	-	-	8GB32207RC06	1355.-	1/5
	For 8 Way TPN Double door DB	-	-	-	8GB32207RC08	2160.-	1/5
	For 10 Way TPN Double door DB	-	-	-	8GB32207RC10	2310.-	1/5
	For 12 Way TPN Double door DB	-	-	-	8GB32207RC12	2840.-	1/5
	For 14 Way TPN Double door DB	-	-	-	8GB32207RC14	2980.-	1/5
	For 16 Way TPN Double door DB	-	-	-	8GB32207RC16	3065.-	1/5

Note: \* MRP - Maximum Retail Price

@ Contains required accessories to Make the DB suitable for PPI Configuration  
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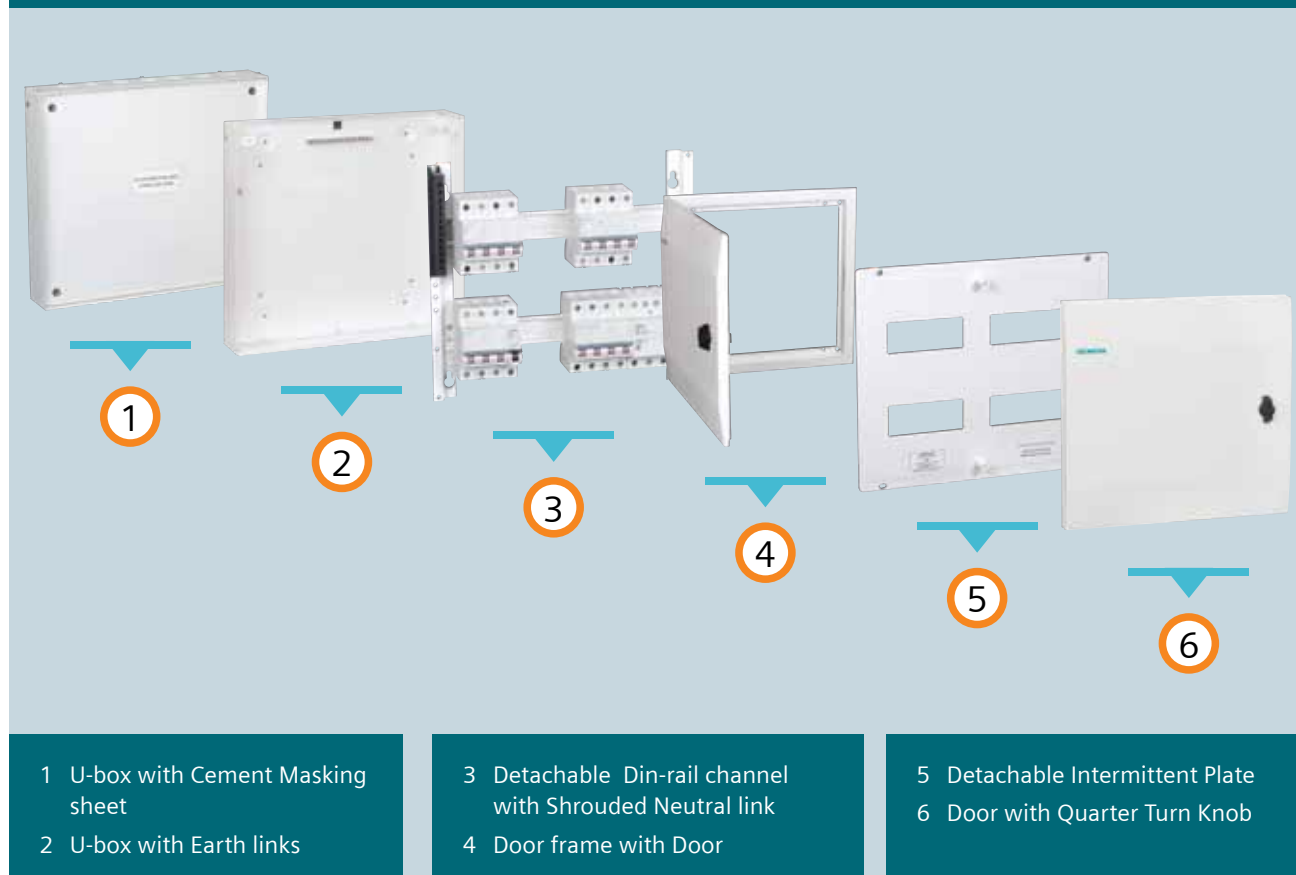
# Also available in flat door option



## Betagard Distribution Boards 8GB32 TPN Phase Segregated DBs

Item Description	Incoming Slots (MW)	Sub-Incomer Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>TPN Phase segregated DBs, IP 20 For MCB as incomer</b>							
4 Way	12	12	12	36	8GB32001RC04	9580.-	1
6 Way	12	12	18	42	8GB32001RC06	10775.-	1
8 Way	12	12	24	48	8GB32001RC08	12575.-	1
12 Way	12	12	36	60	8GB32001RC12	14970.-	1
<b>TPN Phase segregated DBs, (8 segment) IP 43 For MCB as incomer</b>							
4 way	12	12	12	36	8GB32002RC04	11375.-	1
6 way	12	12	18	42	8GB32002RC06	13175.-	1
8 way	12	12	24	48	8GB32002RC08	14970.-	1
12 way	12	12	36	60	8GB32002RC12	17965.-	1
<b>TPN Phase segregated DBs, IP 43 for MCCB as incomer upto 160A</b>							
6 way		12	18	30	8GB32012RC06	20355.-	1
8 way		12	24	36	8GB32012RC08	23350.-	1
12 way		12	36	48	8GB32012RC12	26345.-	1
<b>Wire Way box for MCB Incomer, IP 43 DBs</b>							
For 4 Way	-	-	-	-	8GB32007RC04	2990.-	1
For 6 Way	-	-	-	-	8GB32007RC06	3590.-	1
For 8 Way	-	-	-	-	8GB32007RC08	4190.-	1
For 12 Way	-	-	-	-	8GB32007RC12	4785.-	1
<b>Wire Way box for MCCB Incomer, IP 43 DBs</b>							
For 6 Way	-	-	-	-	8GB32017RC06	3590.-	1
For 8 Way	-	-	-	-	8GB32017RC08	4190.-	1
For 12 Way	-	-	-	-	8GB32017RC12	4785.-	1

## Betagard Distribution Board 8GB



1 U-box with Cement Masking sheet

2 U-box with Earth links

3 Detachable Din-rail channel with Shrouded Neutral link

4 Door frame with Door

5 Detachable Intermittent Plate

6 Door with Quarter Turn Knob



## Betagard Distribution Boards 8GB0 SPN and TPN DBs

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Plastic Enclosure, IP20:</b>							
	3/4 Way	–	–	4	8GB0004	235.-	1/50
	6 Way	–	–	6	8GB0006	360.-	1/25
<b>Double Door SPN DBs, IP42 :</b>							
	4 Way	2	4	6	8GB0204RC	1955.-	1
	6 Way	2	6	8	8GB0206RC	2015.-	1
	8 Way	2	8	10	8GB0208RC	2360.-	1
	12 Way	2	12	14	8GB0212RC	2815.-	1
	14 Way	2	14	16	8GB0214RC	2890.-	1
<b>Double Door TPN DBs (Horizontal), IP42 :</b>							
	4 Way	8	12	20	8GB0404HRC	3825.-	1
	6 Way	8	18	26	8GB0406HRC	4695.-	1
	8 Way	8	24	32	8GB0408HRC	5700.-	1
	12 Way	8	36	44	8GB0412HRC	8230.-	1
<b>Double Door TPN DBs (Vertical), IP42 :</b>							
	4 Way	8	12	20	8GB0404VRC	Price on request	1
	6 Way	8	18	26	8GB0406VRC		1
	8 Way	8	24	32	8GB0408VRC		1
	12 Way	8	36	44	8GB0412VRC		1
<b>Double Door, Per Phase Isolation TPN DBs (Horizontal), IP42 :</b>							
	4 Way	8	18	26	8GB0405HRC	6695.-	1
	6 Way	8	24	32	8GB0407HRC	7700.-	1
	8 Way	8	30	38	8GB0409HRC	10270.-	1
	12 Way	8	42	50	8GB0413HRC	12365.-	1
<b>Double Door, Per Phase Isolation TPN DBs (Vertical), IP42 :</b>							
	4 Way	8	18	26	8GB0405VRC	Price on request	1
	6 Way	8	24	32	8GB0407VRC		1
	8 Way	8	30	38	8GB0409VRC		1
	12 Way	8	42	50	8GB0413VRC		1
<b>Double Door, Phase Segregated TPN DBs (7 segment), IP42:</b>							
	4 Way	12	12+12	36	8GB0504	9265.-	1
	6 Way	12	12+18	42	8GB0506	10480.-	1
	8 Way	12	12+24	48	8GB0508	11690.-	1
	12 Way	12	12+36	60	8GB0512	14800.-	1

## Betagard Distribution Boards 8GB31

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Betaflex (Flexi DBs), IP42 :</b>							
	2Row x 12Mod	—	—	24	8GB31424RC	5375.-	1
	2Row x 16Mod	—	—	32	8GB31426RC	5705.-	1
	4Row x 6Mod	—	—	24	8GB31441RC	6350.-	1
	4Row x 8Mod	—	—	32	8GB31442RC	6610.-	1
	4Row x 10Mod	—	—	40	8GB31443RC	7100.-	1
	4Row x 12Mod	—	—	48	8GB31444RC	7360.-	1
	4Row x 16Mod	—	—	64	8GB31446RC	11285.-	1
<b>Betabus (Vertical Busbar DBs with MCB as an incomer), IP42 : (Suitable for 5SL/5SP MCBs, upto 125A as an incomer)</b>							
	4 way	12	12	24	8GB31471RC	9485.-	1
	6 way	12	18	30	8GB31473RC	11545.-	1
	8 way	12	24	36	8GB31474RC	12180.-	1
	12 way	12	36	48	8GB31477RC	16565.-	1
<b>Betabusplus (Vertical Busbar DBs with MCCB as an incomer), IP42 : (Suitable for 3VT1/3VA1 MCCBs, upto 160A as an incomer)</b>							
	4 way	12	12	24	8GB31571RC	10615.-	1
	6 way	12	18	30	8GB31572RC	13390.-	1
	8 way	12	24	36	8GB31573RC	14450.-	1
	12 way	12	36	48	8GB31574RC	19245.-	1
<b>BetaMulti (DBs for power &amp; communication), IP42 :</b>							
	12 way SPN, provision	2	12	14	8GB31215RC	5245.-	1
	4 Way TPN, Provision	8	12	20	8GB31220RC	6515.-	1
	6 way TPN, provision	8	18	26	8GB31221RC	6800.-	1
	8 Way TPN Provision	8	24	32	8GB31222RC	7510.-	1
	12 way SPN, built-in	2	12	14	8GB31315RC	Price on request	1
	4 Way TPN, Built-in	8	12	20	8GB31320RC	Price on request	1
	6 way TPN, built-in	8	18	26	8GB31321RC	Price on request	1
	8 Way TPN, Built-in	8	24	32	8GB31322RC	Price on request	1
<b>Beta CO (DBs with provision for phase changeover switches), IP42 :</b>							
	4 way, with provision	8	12	20	8GB31840RC	Price on request	1
	6 way, with provision	8	18	26	8GB31841RC		1
	8 way, with provision	8	24	32	8GB31842RC		1
	12 way, with provision	8	36	44	8GB31844RC		1
<b>Beta CO (DBs with built-in pre-wired phase changeover switches), IP42 :</b>							
	40 A, 4 Way TPN, built-in	8	12	20	8GB31850RC	13035.-	1
	40 A, 6 Way TPN, built-in	8	18	26	8GB31851RC	13445.-	1
	40 A, 8 Way TPN, built-in	8	24	32	8GB31852RC	14155.-	1
	40 A, 12 Way TPN, built-in	8	36	44	8GB31854RC	16995.-	1
	63 A, 4 Way TPN, built-in	8	12	20	8GB31860RC	13590.-	1
	63 A, 6 Way TPN, built-in	8	18	26	8GB31861RC	14015.-	1
	63 A, 8 Way TPN, built-in	8	24	32	8GB31862RC	15290.-	1
	63 A, 12 Way TPN, built-in	8	36	44	8GB31864RC	17275.-	1

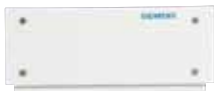

Note:

\* MRP - Maximum Retail Price


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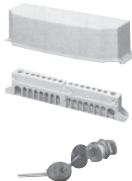
## Wire Way Boxes & Modular Device Boxes

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Wire Way Boxes (WWB)</b>							
	WWB for Flexi DB,8Mod	—	—	—	8GB9908FWWNT	1390.-	1/5
	WWB for Flexi DB,12Mod	—	—	—	8GB9912FWWNT	1555.-	1/5
	WWB for Flexi DB,16Mod	—	—	—	8GB9916FWWNT	1855.-	1/5
	WWB for Bus DB	—	—	—	8GB99BUSWWNT	2080.-	1/5
	WWB for Bus Plus DB	—	—	—	8GB99BPLUSWWNT	2250.-	1/5
<b>Modular Device Boxes (MDB)</b>							
	MDB for Flexi DB, 8Mod/Row	—	—	8	8GB9908FMDTC	1700.-	1/5
	MDB for Flexi DB,12Mod/Row	—	—	12	8GB9912FMDTC	1930.-	1/5
	MDB for Flexi DB,16Mod/Row	—	—	16	8GB9916FMDTC	2155.-	1/5
	MDB for Bus DB	—	—	12	8GB99BUSMBTC	2400.-	1/5
	MDB for Bus Plus DB	—	—	12	8GB99BPLUSMBTC	2615.-	1/5

## Industrial plug & sockets

	Item Description	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Plug &amp; Socket, IP20 with provision for MCB mounting :</b>					
	1 Phase 20A, 1P MCB	1	8GB0501RC	1485.-	1/20
	1 Phase 20A, 2P MCB	2	8GB0501SRC	1485.-	1/20
	3 Phase 32A, 3P MCB	3	8GB0502	3155.-	1/15
	3 Phase 32A, 3P+N MCB	4	8GB0502S	3155.-	1/15
	5 Pin (3P+N+PE) 3Phase 32A MCB 3P+N MCB	8	8GB050332	4980.-	1/5
	5 Pin (3P+N+PE) 3Phase 63A MCB 3P+N MCB	8	8GB050363	12980.-	1/5

## Simbox WP














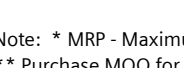
	Item Description	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Simbox WP (IP65 DBs)</b>					
	1 Row, 4Mod	4	8GB13710	4480.-	1
	1 Row 8Mod	8	8GB13711	5695.-	1
	1 Row 12Mod	12	8GB13712	10160.-	1
	1 Row 18Mod	18	8GB13713	13160.-	1
	2 Row 2 x 12Mod	24	8GB13722	16245.-	1
	2 Row, 2 x 18Mod	36	8GB13723	22910.-	1
	3 Row, 3 x 18Mod	54	8GB13733	40285.-	1
	4 Row 4 x 18Mod	72	8GB13743	52785.-	1
<b>Accessories for Simbox WP</b>					
	Coupling covers,12M		8GB20510	1465.-	1
	Coupling covers,18M		8GB20511	1640.-	1
	Insulated N/PE terminals, 8MW		8GB20520	2285.-	1
	Insulated N/PE terminals, 12MW		8GB20521	3495.-	1
	Insulated N/PE terminals, 18MW		8GB20522	5130.-	1
	Cylindrical security lock		8GB20550	4165.-	1

Note: \* MRP - Maximum Retail Price

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## Betagard Distribution Boards Accessories

	Item Description	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Blanking Plate</b>				
	0.5 MW	8GB9905	15.-	25
	1 MW	8GB9901	50.-	25
	1.5 MW	8GB9902	60.-	25
<b>Insulated Shorting Links</b>				
<b>Single Phase Shorting Links for Shorting 1P MCBs</b>				
<b>For SPN and TPN PPI DB</b>				
	5 Leg SP Shorting Link	8GB9905LSP	165.-	10
	7 Leg SP Shorting Link	8GB9907LSP	195.-	10
	9 Leg SP Shorting Link	8GB9909LSP	230.-	10
	11 Leg SP Shorting Link	8GB9911LSP	245.-	10
	13 Leg SP Shorting Link	8GB9913LSP	320.-	10
	15 Leg SP Shorting Link	8GB9915LSP	390.-	10
	17 Leg SP Shorting Link	8GB9917LSP	415.-	10
<b>For TPN DB</b>				
	4 Leg SP Shorting Link	8GB9904LSP	165.-	10
	6 Leg SP Shorting Link	8GB9906LSP	195.-	10
	8 Leg SP Shorting Link	8GB9908LSP	230.-	10
	10 Leg SP Shorting Link	8GB9910LSP	245.-	10
	12 Leg SP Shorting Link	8GB9912LSP	320.-	10
	14 Leg SP Shorting Link	8GB9914LSP	390.-	10
	16 Leg SP Shorting Link	8GB9916LSP	415.-	10
<b>Two Phase, 1 meter long for shorting 2P MCBs (suitable for maximum of 28 nos. 2MW devices)</b>				
	Shorting link without End caps, Can be cut and used.	8GB990SLDLP	4085.-	1
	End Caps for 2 pole Shorting Links	8GB990ECLDP	70.-	10
<b>Three Phase, 1 meter long for shorting 3P MCBs (suitable for maximum of 19 nos. 3MW devices)</b>				
	Shorting link without Enc caps, Can be cut and used.	8GB990SLLTP	4470.-	1
	End Caps for 3 pole Shorting Links	8GB990ECLTP	100.-	10
<b>Three Phase + N, 1 meter long for shorting TPN MCBs (suitable for maximum of 14 nos. 4MW devices)</b>				
	Shorting link without Enc caps, Can be cut and used.	8GB990SLLTPN	4720.-	1
	End Caps for 3 pole Shorting Links	8GB990ECLTPN	125.-	10
<b>Neutral Terminals</b>				
<b>Neutral Terminals For 8GB0 and 8GB31 DBs (Along with Mounting Stands)</b>				
	5 Way Neutral Link	8GB9905NL	180.-	10
	11 Way Neutral Link	8GB9911NL	265.-	10
	13 Way Neutral Link	8GB9913NL	305.-	10
	15 Way Neutral Link	8GB9915NL	340.-	10
<b>Neutral Terminals For 8GB32 DBs (With Terminal Shroud and Cover)</b>				
	Neutral Terminal 5 Holes	8GB9905NPE	195.-	10
	Neutral Terminal 11 Holes	8GB9911NPE	275.-	10
	Neutral Terminal 13 Holes	8GB9913NPE	320.-	10
	Neutral Terminal 15 Holes	8GB9915NPE	360.-	10
<b>Earth Terminals</b>				
	5 Way Earth Link	8GB9905EL	150.-	10
	11 Way Earth Link	8GB9911EL	255.-	10
	13 Way Earth Link	8GB9913EL	275.-	10
	15 Way Earth Link	8GB9915EL	320.-	10

Note: \* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details





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## 5SD7 Surge Protection Devices

**Seamless and safe**

SENTRON Surge Protection Devices are available in the following types:

Type 1 - For incoming power supply panels, in buildings with lightning protection system. Must be accompanied by downstream Type 2 protector

Type 2 - For distribution panels located downstream of Type 1 protectors or in incoming supply panels in areas of low exposure to lightning strikes, where the building is not fitted with lightning protection system

Type 3 - Always installed downstream of Type 2 protection designed to protect sensitive equipment or equipment located more than 20m downstream of Type 2 SPD

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# Surge Protection Devices

For protection of equipment against Lightning and Switching surges

## Type 1 : Lightning Arresters

### For TN-S/ TT system

Lightning arresters, Type 1 requirement class B,  $U_c$  350V Pluggable protective modules 4-pole, 3+1 circuit for TN-S and TT systems with remote display



Rated voltage $U_N$	Backup fuse rating	Protection level	Lightening impulse current $I_{mp}(10/350\mu s)$		Pole	Reference No.	Unit LP* ₹
			L-N or L-(PE), 1P/3P	N-PE			
240V AC	125A gL/gG	1.5-2.5kV	25kA	100kA	1P+N	5SD74121	34885.-
240/415V AC	125A gL/gG	1.5-2.5kV	25kA/75kA	100kA	3P+N	5SD74141	66960.-

### For TN-C system

Lightning arresters, Type 1 requirement class B,  $U_c$  350V Pluggable protective modules 3-pole, 3+0 circuit for TNC systems with remote display



Rated voltage $U_N$	Backup fuse rating	Protection level	Lightening impulse current $I_{mp}(10/350\mu s)$		Pole	Reference No.	Unit LP* ₹
			L-N or L-(PE), 1P/3P	N-PE			
240/415V AC	125A gL/gG	$\leq 1.5kV$	25kA/75kA	-	3P	5SD74131	53800.-

## Type 2 : Surge Arresters

### For TN-S/ TT system

Surge arrester Type 2 requirement class C,  $U_c$ :350V/260V (L-N/N-PE) Pluggable protective modules 4-pole, 3+1 circuit for TN-S and TT AC systems

Rated Discharge Surge Current  $I_n=20kA$  SC capacity with backup fuse=25kA



Rated voltage $U_N$	Backup fuse rating	Protection level $U_p$	Rated discharge current $I_n$ (8/20usec)		Pole	Remote signaling	Reference No.	Unit LP* ₹
			L-N or L-(PE), 1P/3P	N-PE				
240/415V	80A gL/gG	1.5-1.9kV	40kA	40kA	3P+N	No	5SD74640	25645.-
240/415V	80A gL/gG	1.5-1.9kV	40kA	40kA	3P+N	Yes	5SD74641	21155.-
240V	80A gL/gG	1.5-1.9kV	20kA	20kA	1P+N	No	5SD74220	16335.-
240V	80A gL/gG	1.5-1.9kV	20kA	20kA	1P+N	Yes	5SD74221	11745.-

### For TN-C system

Surge arrester Type 2 requirement class C,  $U_c$ :350V Pluggable protective modules 3-pole, 3+0 circuit for TNC systems



Rated voltage $U_N$	Backup fuse rating	Protection level $U_p$	Maximum discharge surge current $I_{max}$	Pole	Remote signaling	Reference No.	Unit LP* ₹
			L-N or L-(PE)N, 1P				
240/415V	80A gL/gG	$\leq 1.5kV$	40kA	3P	No	5SD74630	24530.-
240/415V	80A gL/gG	$\leq 1.5kV$	40kA	3P	Yes	5SD74631	16405.-

L - Line, N - Neutral, PE - Protective Earth

Note: Standard packing: 1unit

\* LP : List Price

## Surge Protection Devices

For protection of equipment against Lightning and Switching surges

### Type 3 : Surge Arresters

For TN-S/ TT system

Type 3 surge arrester requirement class D Rated voltage  $U_N$  230 V  $U_C$  253V, 4-pole for 3-phase power supply

Max. continuous operating voltage  $U_C=264V/335V$  AC(2P/4P)



5SD74321 5SD74341

Rated voltage $U_N$	Rated current	Backup fuse rating	Protection level	Rated Discharge surge current $I_n$	Pole	Reference No.	Unit LP* ₹
230/400 AC	26A	25A gL/gG	< 1.5kV	3kA	2P	5SD74321	11470.-
230/400V AC	26A	25A gL/gG	< 1.5kV	1.5kA	4P	5SD74341	23045.-

### Photovoltaic Surge Arresters

Due to the combination of three power varistors, the overvoltage protection required for the inverters is implemented on the DC side. On the AC side, the overvoltage protection can be ensured using surge arresters type 2 (5SD7422-/5SD7424-)



5SD74836

Rated voltage $U_N$	Rated discharge current	Protection level $U_p$	Lightning Impulse current (L-N/L-(PE)N)	Max. discharge current	Pole	Remote signaling	Reference No.	Unit LP* ₹
1000V DC	15kA	$\leq 3.5kV$	$\leq 5kA$	40kA	3P	No	5SD74836	20849.-

### Replacement Plug



SPD Type	Type	Connection	Reference No.	Unit LP* ₹
5SD74121	Type 1	L-N	5SD74181	18992.-
5SD74131				
5SD74141				
5SD74121	Type 2	N-PE	5SD74180	12615.-
5SD74131				
5SD74141				
5SD7463-0/1	Type 2	L-N	5SD74681	4955.-
5SD7464-0/1				
5SD7464-0/1				
5SD7422-0/1	Type 2	L-N	5SD74281	3825.-
5SD7422-0/1		N-PE	5SD74280	7236.-
5SD7483-6	PV	-	5SD74983	5616.-

\* Also available Type 1+ Type 2 and Type1/2 Compact SPDs for protection against overvoltages from Lightning strikes as well as by switching operations in network

Note:

Standard packing: 1 unit

\* LP - List Price

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## Modular Devices


For efficient control and monitoring

- 7LF time switch - Digital and Analog timers for all applications; available in Mini, Top, Profi, Astro, Expert and Expert GPS variants
- 5TT5 insta contactors – For all control applications; also with Manual/Automatic switching indicator
- DIN mounted phase indicators, monitoring relays and measuring devices for final distribution circuits

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## Modular Devices

	Item Description	Rated Current I <sub>n</sub> (A)	MW <sup>#</sup>	Reference No	Unit LP* ₹	Std. Pkg.** (Nos.)
<b>Changeover switches</b> Standards: IEC 60947-3/DIN EN 60947-3						
	1C/O, 230V	20	1	5TE8161	1630.-	1/10
	2C/O, 400V	20	1	5TE8162	2975.-	1/10
	Group switch, center position, 2C/O, 400V	20	1	5TE8142	3435.-	1/10
<b>Insta Contactors</b> Standards: EN 60947-4-1, EN 60947-5-1						
	2NO contacts, 230Vac	20	1	5TT58000	2590.-	1/5
	3NO+1NC contacts, 230Vac/220Vdc (1NC contact rated for 30A)	40	3	5TT58410	7085.-	1/5
	3NO+1NC contacts, 24Vac/24Vdc (1NC contact rated for 30A)	40	3	5TT58412	7110.-	1/5
	4NO contacts, 230Vac/220Vdc	40	3	5TT58400	7135.-	1/5
	4NO contacts, 24Vac/24Vdc	40	3	5TT58402	7010.-	1/5
	3NO+1NC contacts, 230Vac/220Vdc (1NC contact rated for 30A)	63	3	5TT58510	9860.-	1/5
	3NO+1NC contacts, 24Vac/24Vdc, (1NC contact rated for 30A)	63	3	5TT58512	10425.-	1/5
	4NO contacts, 230Vac/220Vdc	63	3	5TT58500	9040.-	1/5
4NO contacts, 24Vac/24Vdc	63	3	5TT58502	9530.-	1/5	
<b>Insta Contactors Manual / Automatic with Switching Indicator</b> Standards: IEC60947-4-1, IEC60947-5-1						
	2NO contacts, 230Vac	20	1	5TT58006	3445.-	1/5
	1NO+1NC contacts, 230Vac	20	1	5TT58016	5190.-	1/5
	4NO contacts, 230Vac	25	2	5TT58306	4880.-	1/5
	4NO contacts, 400Vac	40	3	5TT58406	10740.-	1/5
	4NO contacts, 400Vac	63	3	5TT58506	13615.-	1/5
<b>Accessories</b>						
	Control Switch with 1 Make and 1 Break Contact For AC 230V/400V For 5TT58 and 5TT50			5TT59101	2945.-	1/10





Note:

\* LP - List Price # 1MW (Module Width) = 18mm

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## Modular Devices




	Item Description	Rated Current I <sub>n</sub> (A)	MW <sup>#</sup>	Reference No	Unit LP* ₹	Std. Pkg.** (Nos.)
<b>Voltage Relays</b> Standards: IEC 60255, DIN VDE 0435-303						
	Voltage relay for undervoltage monitoring of 1,2,3 phases against N with phase failure detection, Switching thresholds 0.7-0.9xV, not adjustable; 2 C/O contacts, 4A, 230/400Vac	4	2	5TT3402	11360.-	1
	Voltage relay for undervoltage monitoring of 1,2,3 phases against N, short time failure detection with phase failure detection and N conductor monitoring, Switching thresholds 0.8-0.85xV, not adjustable; 2 C/O contacts, 230/400Vac	4	2	5TT3407	18915.-	1
	Voltage relay for over and undervoltage monitoring of 3 phases against N with asymmetry, reverse voltage and phase failure detection with N conductor monitoring and adj. Time delay of 0.1 to 20s, Switching thresholds: U/voltage 0.7-1.1xV, 4% hysteresis, adjustable, O/voltage 0.9-1.1xV, 4% hysteresis, adjustable; 2 C/O contacts, 230/400Vac	4	2	5TT3408	21780.-	1
	Neutral conductor monitor with asymmetry detection and N conductor monitoring, 2C/O contacts, 230/400Vac	4	2	5TT3410	18155.-	1
<b>RYG 3 phase indicator in 1 MW</b>						
	3 phase indicator (all with green color cap)		1	5TE5802	2930.-	1/10
	3 phase indicator (red/yellow/green)		1	5TE5803	2495.-	1/10
	Transparent cap (1 set = 3 items, R, Y, G lens)			5TG8070	810.-	1/10
<b>Power ON Indicator (Economy Version) 230 Vac, 1 Phase</b>						
	Light indicators for max. cable length up to 5 m with 1 red lamp		1	5TE5800	1550.-	1/12
	Light indicators for max. cable length up to 250 m with 1 red lamp		1	5TE5804	1235.-	1/12
	Transparent cap (Red)			5TG8061	115.-	5
	Transparent cap (Green)			5TG8062	115.-	5
	Transparent cap (Yellow)			5TG8063	115.-	5
	Transparent cap (Blue)			5TG8064	115.-	5
<b>Fuse Monitor</b>						
	Fuse monitors with transparent caps for all low voltage fuse systems, 230Vac	4	2	5TT3170	8910.-	1

Note:

\* LP - List Price

# 1MW (Module Width) = 18mm

## Modular Devices

	Item Description	Rated Current I <sub>n</sub> (A)	MW <sup>#</sup>	Reference No	Unit LP* ₹	Std. Pkg.** (Nos.)
<b>Time Switches (Digital)</b>						
	Mini digital, daily/weekly program, 100 hours reserve, 230Vac	16	1	7LF44015	8860.-	1
	Yearly time switch top digital 230V, 1 channel	16	2	7LF45110	8165.-	1
	Yearly time switch top digital 230V, 2 channel	16	2	7LF45120	17765.-	1
	Weekly time switch profi digital 230V, 1 channel	16	2	7LF45210	16550.-	1
	Weekly time switch profi digital 230V, 2 channel	16	2	7LF45220	21400.-	1
	Weekly time switch astro digital 230V, 1 channel	16	2	7LF45310	14795.-	1
	Weekly time switch astro digital 230V, 2 channel	16	2	7LF45320	38351.-	1
	Expert digital, daily/weekly/yearly program, 5 years reserve, 120/230Vac, 4 channels system	16	6	7LF44440	37180.-	1
<b>Time Switches (Mechanical) Standards: EN 60730-1</b>						
	Quartz time switch Day 1 NO 230V/50-60Hz 1 MW with power reserve	16	1	7LF53011	5590.-	1
	Synchronous time switches without power reserve, for DIN rail mounting, day disk, 1CO, 230V AC	16	3	7LF53005	3085.-	1
	Quartz-clock time switches with power reserve for DIN rail mounting, day disk, 1CO, 230V AC	16	3	7LF53016	5965.-	1
	Quartz-clock time switches with power reserve for wall mounting, day disk, 1CO, 250Vac	16	—	7LF53050	8925.-	1
	Synchronous time switches without power reserve, for wall mounting, day disk, 1CO, 250Vac	16	—	7LF53010	5445.-	1
7LF53005						
<b>Accessories for Digital Time Switches</b>						
	Data key for storing & transferring data (Expert)			7LF49402	1730.-	1
	USB adapter and software			7LF49410	25165.-	1
	Data key profi, astro			7LF49411	2560.-	1

## Terms and Conditions

- MRPs/LPs are subject to revision without prior notice.
- The company reserves the right to supply goods at its works or godown at its discretion.
- **Export control regulation - retention clause:** The fulfillment of the agreement on Siemens part is subject to the provision that this shall not be prevented by implements on the grounds of national and international legal requirements, in particular export control provision.
- **This supercedes all previous Price Lists.**
- **Maximum Retail Prices (MRPs) mentioned in the publication are maximum recommended selling prices.**
- **List Prices (LPs) mentioned are exclusive of all taxes.**

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Note:


\* LP - List Price

# 1MW (Module Width) = 18mm


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## Moulded Case Circuit Breakers<sup>®</sup> 3VT1, 2, 3 MCCBs

### 3VT1#, 415 V AC, 50 Hz MCCB, Thermal Magnetic Release for line protection (Fixed Overload & Fixed Short Circuit Settings)

	Rated Current, A	3VT1 3 pole Reference No.	Unit LP* ₹	3VT1 4 pole Reference No	Unit LP* ₹	Std. Pkg. (Nos.)
	40	3VT1704-2DA36-0AA0	-	3VT1704-2EA46-0AA0	-	1
	63	3VT1706-2DA36-0AA0	-	3VT1706-2EA46-0AA0	-	1
	80	3VT1708-2DA36-0AA0	-	3VT1708-2EA46-0AA0	-	1
	100	3VT1710-2DA36-0AA0	-	3VT1710-2EA46-0AA0	-	1
	125	3VT1712-2DA36-0AA0	-	3VT1712-2EA46-0AA0	-	1
	160	3VT1716-2DA36-0AA0	-	3VT1716-2EA46-0AA0	-	1

### (Adjustable Overload & Adjustable Short Circuit Settings)

	Rated Current, A	3VT1 3 pole Reference No.	Unit LP* ₹	3VT1 4 pole Reference No	Unit LP* ₹	Std. Pkg. (Nos.)
	16	3VT1701-2DC36-0AA0	-	3VT1701-2EC46-0AA0	-	1
	25	3VT1792-2DC36-0AA0	-	3VT1792-2EC46-0AA0	-	1
	32	3VT1703-2DC36-0AA0	-	3VT1703-2EC46-0AA0	-	1
	40	3VT1704-2DC36-0AA0	-	3VT1704-2EC46-0AA0	-	1
	63	3VT1706-2DC36-0AA0	-	3VT1706-2EC46-0AA0	-	1
	80	3VT1708-2DC36-0AA0	-	3VT1708-2EC46-0AA0	-	1
	100	3VT1710-2DC36-0AA0	-	3VT1710-2EC46-0AA0	-	1
	125	3VT1712-2DC36-0AA0	-	3VT1712-2EC46-0AA0	-	1
	160	3VT1716-2DC36-0AA0	-	3VT1716-2EC46-0AA0	-	1

### 3VT2/3, 415 V AC, 50 Hz MCCB, Microprocessor based Release for line protection (Adjustable Overload & Adjustable Short Circuit Settings)

Rated Current, A	3VT2/3 (Base Unit) Reference No. 3 pole	Unit LP* ₹	3VT2/3 (Base Unit) Reference No. 4 pole	Unit LP* ₹	ETU Reference No.	Unit LP* ₹
<b>3VT2 &amp; 3, 36kA</b>						
200A	3VT2725-2AA36-0AA0	-	3VT2725-2AA46-0AA0	-	3VT9225-6AC00	-
250A	3VT2725-2AA36-0AA0	-	3VT2725-2AA46-0AA0	-	3VT9225-6AC00	-
400A	3VT3763-2AA36-0AA0	-	3VT3763-2AA46-0AA0	-	3VT9340-6AC00	-
630A	3VT3763-2AA36-0AA0	-	3VT3763-2AA46-0AA0	-	3VT9363-6AC00	-

Accessories	3VT1 Reference No.	Unit LP* ₹	3VT2 Reference No	Unit LP* ₹	3VT3 Reference No.	Unit LP* ₹
Auxiliary Switch <sup>§</sup>	3VT9100-2AB10	-	3VT9300-2AC10	-	3VT9300-2AC10	-
Alarm Switch <sup>^</sup>	3VT9100-2AH10	-	3VT9300-2AD10	-	3VT9300-2AD10	-
Door mounted Rotary handle	3VT9100-3HQ00	-	3VT9200-3HQ00	-	3VT9300-3HQ00	-

Note : The ordering of Microprocessor based MCCB's above 200A includes ordering of Base Unit + Electronic Trip Unit (ETU) separately

<sup>§</sup> Auxiliary switch for 3VT1 is 1 C/O & for 3VT2 ,3 is 1NO; <sup>^</sup> Alarm switch for 3VT1 is 1 C/O & for 3VT2 ,3 is 1NC;

# 3VT1 MCCBs are suitable for mounting in Beta Bus Plus Distribution Boards

@ Kindly refer latest Power Distribution Products Price List for prices


## Raja<sup>+</sup> DOL Starters<sup>@</sup> 3TW Direct On Line Starters

IS/IEC 60947-4-1



CML No.7800027718

### Ue: 415V, 3ph, 50Hz DOL Starter in sheet steel housing, including bimetal relay with single phasing protection

	Motor rating		Relay Range A	Reference No <sup>1)</sup>	Unit MRP* ₹	Std. Pkg. (Nos.)
	HP	kW				
	0.33	0.25	0.63-1	3TW72 91-1A.64	-	1
	0.75	0.55	1-1.6	3TW72 91-1A.66	-	1
	1	0.75	1.6-2.5	3TW72 91-1A.68	-	1
	1.5	1.1	2-3.2	3TW72 91-1A.69	-	1
	2	1.5	3.2-5	3TW72 91-1A.71	-	1
	3	2.2	4-6.3	3TW72 91-1A.72	-	1
	5	3.7	6.3-10	3TW72 91-1A.74	-	1
	-	-	8-12.5	3TW72 91-1A.75	-	1
	7.5	5.5	10-16	3TW72 91-1A.77	-	1
	10	7.5	12.5-20	3TW72 91-1A.78	-	1

1) Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)


@ Kindly refer latest Motor Control Products Price List for prices

\* MRP - Maximum Retail Price LP - List Price




## Switch disconnecter fuse<sup>@</sup> Superswitch 3KL8 in open execution TPN

### Switch Disconnector fuse: 3KL8 for power distribution (in Open Execution TPN)<sup>^</sup>

	Rated current I <sub>e</sub> @ 690V AC 50Hz	SDF suitable for DIN type HRC Fuses	SDF suitable for BS type HRC Fuses	SDF suitable for cylindrical type HRC Fuses	Std. pkg. (nos.)
	20A	3KL8111-5TA00	3KL8111-5TJ00	3KL8111-5TC00	1
	32A	3KL8121-5TA00	3KL8121-5TJ00	3KL8121-5TC00	1
	63A	3KL8151-5TA00	3KL8151-5TJ00	3KL8151-5TC00	1
	100A	3KL8211-5TA00	3KL8211-5TJ00	-	1
	125A	3KL8221-5TA00	3KL8221-5TJ00	-	1
	160A	3KL8231-5TA00	3KL8231-5TJ00	-	1
	200A	3KL8311-5UA00	3KL8311-5UJ00	-	1
	250A	3KL8321-5UA00	3KL8321-5UJ00	-	1
	315A	3KL8331-5UA00	3KL8331-5UJ00	-	1
	400A <sup>§</sup>	3KL8341-5UA00	3KL8341-5UJ00	-	1
	500A	3KL8411-5UA00	3KL8411-5UJ00	-	1
	630A	3KL8421-5UA00	3KL8421-5UJ00	-	1
	800A <sup>§</sup>	3KL8431-5UA00	3KL8431-5UJ00	-	1

<sup>^</sup> TPN is 3 Pole with neutral link

### Selection table for SS Housing for 3KL8




	Rated current I <sub>e</sub> (A)	Reference No	Unit MRP* ₹	Std. Pkg. (Nos.)
	3KL81 (20A - 63A)	3KX8155-4AC	-	1
	3KL82 (100A - 160A)	3KX8235-4AC	-	1
	3KL83 (200A - 400A)	3KX8345-4AC	-	1
	3KL84 (500A - 800A)	3KX8435-4AC	-	1

Rated current I <sub>e</sub> (A)	Gland box Reference No.	Unit MRP* ₹	Gland Plate Reference No.	Unit MRP* ₹	Std Pkg. (Nos.)
3KL81(20A-63A)	3KX8235-4DC	-	3KX8235-4GC	-	1
3KL82(100A-160A)	3KX8235-4DC	-	3KX8235-4GC	-	1
3KL83(200A-400A)	3KX8345-4DC	-	3KX8345-4GC	-	1
3KL84(500A-800A)	3KX8435-4DC	-	3KX8435-4GC	-	1

## LV HRC Fuses<sup>@</sup>

### DIN Type Fuse



Rated voltage: 500 V AC

	Size	Rated current A	Reference No	Unit MRP* ₹	Std. Pkg. (Nos.)
	000	2	3NA7 802-ORC	-	1/6
		4	3NA7 804-ORC	-	
		6	3NA7 801-ORC	-	
		10	3NA7 803-ORC	-	
		16	3NA7 805-ORC	-	
		20	3NA7 807-ORC	-	
		25	3NA7 810-ORC	-	
		32	3NA7 812-ORC	-	
		40	3NA7 817-ORC	-	
		50	3NA7 820-ORC	-	
	00	63	3NA7 822-ORC	-	
		80	3NA7 824-ORC	-	
		100	3NA7 830-ORC	-	
	1	125	3NA7 832-ORC	-	1/3
		160	3NA7 836-ORC	-	
		50	3NA7 120-ORC	-	
		63	3NA7 122-ORC	-	
		80	3NA7 124-ORC	-	
		100	3NA7 130-ORC	-	
		125	3NA7 132-ORC	-	
		160	3NA7 136-ORC	-	
		200	3NA7 140-ORC	-	
224	3NA7 142-ORC	-			
250	3NA7 144-ORC	-			


<sup>#</sup> 400 & 800A fuses - Rated voltage at 415 V AC  
<sup>§</sup>- AC23A @ 550V AC

Note: \* MRP - Maximum Retail Price

<sup>@</sup> Kindly refer latest Power Distribution Products Price List for prices

	Size	Rated current A	Reference No	Unit MRP* ₹	Std. Pkg. (Nos.)
	2	200	3NA7 240-ORC	-	1/3
		250	3NA7 244-ORC	-	
		315	3NA7 252-ORC	-	
		400 <sup>‡</sup>	3NA7 260-ORC	-	
	3	315	3NA3 352-ORC	-	1/3
		400	3NA3 360-ORC	-	
		500	3NA3 365-ORC	-	
		630	3NA3 372-ORC	-	
		800 <sup>‡</sup>	3NA3 375-ARC	-	





### BS Fuses

	Type	Rated current A	Reference No	Unit MRP* ₹	Std. Pkg. (Nos.)
	Offset Tag	2	3NW TIA2	-	20
		4	3NW TIA4	-	
		6	3NW TIA6	-	
		10	3NW TIA10	-	
		16	3NW TIA16	-	
		20	3NW TIA20	-	
		25	3NW TIA25	-	
		32	3NW TIA32	-	
		40	3NW TIS40	-	
		50	3NW TIS50	-	
		63	3NW TIS63	-	

# Available till stock last

## Betagard Circuit Breakers 5SY7, 15kA with D Characteristics



- Standards: IEC/EN 60947-2
- Voltage: Un 230/400V AC, 50....60Hz can be used in systems upto 60V DC for 1P and 110V DC for 2P
- Breaking capacity: 15kA as per IEC/EN 60947-2

15000A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	1P, 230/400V AC	1	5SY71058CC	530.-	1/12
	1		5SY71018CC	530.-	1/12
	2		5SY71028CC	530.-	1/12
	3		5SY71038CC	530.-	1/12
	4		5SY71048CC	530.-	1/12
	6		5SY71068CC	460.-	1/12
	8		5SY71088CC	460.-	1/12
	10		5SY71108CC	460.-	1/12
	13		5SY71138CC	460.-	1/12
	16		5SY71168CC	460.-	1/12
	20		5SY71208CC	460.-	1/12
	25		5SY71258CC	460.-	1/12
	32		5SY71328CC	460.-	1/12
	40		5SY71408CC	825.-	1/12
	50		5SY71508CC	835.-	1/12
63		5SY71638CC	835.-	1/12	
	2P, 400V AC	2	5SY72058CC	1360.-	1/6
	1		5SY72018CC	1360.-	1/6
	2		5SY72028CC	1360.-	1/6
	3		5SY72038CC	1360.-	1/6
	4		5SY72048CC	1360.-	1/6
	6		5SY72068CC	1035.-	1/6
	8		5SY72088CC	1035.-	1/6
	10		5SY72108CC	1035.-	1/6
	13		5SY72138CC	1035.-	1/6
	16		5SY72168CC	1035.-	1/6
	20		5SY72208CC	1035.-	1/6
	25		5SY72258CC	1035.-	1/6
	32		5SY72328CC	1035.-	1/6
	40		5SY72408CC	1800.-	1/6
	50		5SY72508CC	1800.-	1/6
63		5SY72638CC	1800.-	1/6	
	3P, 400V AC	3	5SY73058CC	2085.-	1/4
	1		5SY73018CC	2085.-	1/4
	2		5SY73028CC	2085.-	1/4
	3		5SY73038CC	2085.-	1/4
	4		5SY73048CC	2085.-	1/4
	6		5SY73068CC	1650.-	1/4
	8		5SY73088CC	1650.-	1/4
	10		5SY73108CC	1650.-	1/4
	13		5SY73138CC	1650.-	1/4
	16		5SY73168CC	1650.-	1/4
	20		5SY73208CC	1650.-	1/4
	25		5SY73258CC	1650.-	1/4
	32		5SY73328CC	1650.-	1/4
	40		5SY73408CC	2805.-	1/4
	50		5SY73508CC	2805.-	1/4
63		5SY73638CC	2805.-	1/4	
	4P, 400V AC	4	5SY74058CC	2895.-	1/3
	1		5SY74018CC	2895.-	1/3
	2		5SY74028CC	2670.-	1/3
	3		5SY74038CC	2670.-	1/3
	4		5SY74048CC	2670.-	1/3
	6		5SY74068CC	2180.-	1/3
	8		5SY74088CC	2180.-	1/3
	10		5SY74108CC	2180.-	1/3
	13		5SY74138CC	2180.-	1/3
	16		5SY74168CC	2180.-	1/3
	20		5SY74208CC	2180.-	1/3
	25		5SY74258CC	2180.-	1/3
	32		5SY74328CC	2180.-	1/3
	40		5SY74408CC	3515.-	1/3
	50		5SY74508CC	3515.-	1/3
63		5SY74638CC	3515.-	1/3	




# Available till stock last

## Betagard Circuit Breakers 5SY5, 10kA DC with C Characteristics

- Standards: IS/IEC 60947-2
- Voltage: 220V DC/1P & 440VDC/2P
- Breaking capacity: 10kA as per IS/IEC 60947-2

10000A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
1P, 220V DC 	0.5	1	5SY51057CC	735.-	1/12
	1		5SY51017CC	735.-	1/12
	2		5SY51027CC	795.-	1/12
	3		5SY51037CC	795.-	1/12
	4		5SY51047CC	795.-	1/12
	6		5SY51067CC	675.-	1/12
	8		5SY51087CC	675.-	1/12
	10		5SY51107CC	675.-	1/12
	13		5SY51137CC	675.-	1/12
	16		5SY51167CC	675.-	1/12
	20		5SY51207CC	675.-	1/12
	25		5SY51257CC	675.-	1/12
	32		5SY51327CC	675.-	1/12
	40		5SY51407CC	1010.-	1/12
50		5SY51507CC	1010.-	1/12	
63		5SY51637CC	1010.-	1/12	
2P, 440V DC 	0.5	2	5SY52057CC	1605.-	1/6
	1		5SY52017CC	1605.-	1/6
	2		5SY52027CC	1605.-	1/6
	3		5SY52037CC	1605.-	1/6
	4		5SY52047CC	1605.-	1/6
	6		5SY52067CC	1410.-	1/6
	8		5SY52087CC	1410.-	1/6
	10		5SY52107CC	1410.-	1/6
	13		5SY52137CC	1410.-	1/6
	16		5SY52167CC	1410.-	1/6
	20		5SY52207CC	1410.-	1/6
	25		5SY52257CC	1410.-	1/6
	32		5SY52327CC	1410.-	1/6
	40		5SY52407CC	2075.-	1/6
50		5SY52507CC	2075.-	1/6	
63		5SY52637CC	2075.-	1/6	

## Betagard Distribution Boards MB DBs

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Betagard MB (Ivory White) :</b>							
	1Row, 6Mod	2	4	6	8GB31810RC01	1710.-	1/10
	1Row, 8Mod	2	6	8	8GB31811RC01	1990.-	1/10
	1Row, 10Mod	2	8	10	8GB31812RC01	2210.-	1/10
	1Row, 12Mod	2	10	12	8GB31813RC01	2350.-	1/10
	1Row, 14Mod	2	12	14	8GB31814RC01	2490.-	1/10
	1Row, 16Mod	2	14	16	8GB31815RC01	2985.-	1/10
	<b>Betagard MB (Metallic Grey) :</b>						
	1Row, 6Mod	2	4	6	8GB31810RC02	1780.-	1/10
	1Row, 8Mod	2	6	8	8GB31811RC02	2070.-	1/10
	1Row, 10Mod	2	8	10	8GB31812RC02	2350.-	1/10
	1Row, 12Mod	2	10	12	8GB31813RC02	2490.-	1/10
	1Row, 14Mod	2	12	14	8GB31814RC02	2630.-	1/10
	1Row, 16Mod	2	14	16	8GB31815RC02	3130.-	1/10
	<b>Betagard MB (Metallic Carbon) :</b>						
	1Row, 6Mod	2	4	6	8GB31810RC03	1780.-	1/10
	1Row, 8Mod	2	6	8	8GB31811RC03	2070.-	1/10
	1Row, 10Mod	2	8	10	8GB31812RC03	2350.-	1/10
	1Row, 12Mod	2	10	12	8GB31813RC03	2490.-	1/10
	1Row, 14Mod	2	12	14	8GB31814RC03	2630.-	1/10
	1Row, 16Mod	2	14	16	8GB31815RC03	3130.-	1/10


# Discontinued

## Betagard Residual Current Circuit Breakers 5SM3




- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents


		Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	2 Pole	30	100	2	5SM33180KK	-	1
		100	100		5SM34180KK	-	1
		300	100		5SM36180KK	-	1
		30	125		5SM33150KK	-	1
		100	125		5SM34150KK	-	1
		300	125		5SM36150KK	-	1


Type A, applicable in networks with AC and/or pulsating DC residual currents

	2 Pole	30	100	2	5SM33186KK	-	1
		100	100		5SM34186KK	-	1
		300	100		5SM36186KK	-	1
		30	125		5SM33156KK	-	1
		100	125		5SM34156KK	-	1
		300	125		5SM36156KK	-	1

## Modular Devices

Measuring Selector switches are used as CO contacts of the phase for voltages and currents in 3-phase systems for Voltmeters and Ammeters. The design of these switches is adapted to match the modular installation devices. They support use in compliance with EN 60947-3. The device has a rated insulation voltage of 660V. This permits use in many systems.

	Item Description	Voltage V AC	Voltage V DC	Current A AC	MW#	Reference No	Unit LP* ₹	Std. Pkg.** (Nos.)
<b>Measuring Selector Switches</b>								
	Voltmeter Selector Switches	400	6	12	3	7KT9010	-	1
	Ammeter Selector Switches for Transformer operation	400	6	12	3	7KT9011	-	1

	Item Description	Rated Current $I_n$ (A)	MW#	Reference No	Unit LP* ₹	Std. Pkg.** (Nos.)
<b>Ammeters &amp; Voltmeters</b>						
	Digital Voltmeter, 12...600Vac		2	7KT1110	-	1/5
	Digital Ammeter, direct connection 0.4...20A (With CTs 0.1....1000/5)		2	7KT1120	-	1/5





# Discontinued

## Betagard Residual Current Circuit Breakers 5SM3





- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415Vac, 50...60Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)		
	2 Pole	30	25	2	5SM33120RC	-	1	
		100	25		5SM34120RC	-	1	
		300	25		5SM36120RC	-	1	
		30	40		5SM33140RC	-	1	
		100	40		5SM34140RC	-	1	
		300	40		5SM36140RC	-	1	
			30	63	2.5	5SM33160RC	-	1
			100	63		5SM34160RC	-	1
			300	63		5SM36160RC	-	1
			30	80		5SM33170RC	-	1
			100	80		5SM34170RC	-	1
			300	80		5SM36170RC	-	1
	4 Pole	30	25	4	5SM33420RC	-	1	
		100	25		5SM34420RC	-	1	
		300	25		5SM36420RC	-	1	
		30	40		5SM33440RC	-	1	
		100	40		5SM34440RC	-	1	
		300	40		5SM36440RC	-	1	
			30	63		5SM33460RC	-	1
			100	63		5SM34460RC	-	1
			300	63		5SM36460RC	-	1
			30	80		5SM33470RC	-	1
			100	80		5SM34470RC	-	1
			300	80		5SM36470RC	-	1

Type A, applicable in networks with AC and/or pulsating DC residual currents

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)		
	2 Pole	30	25	2	5SM33126RC	-	1	
		100	25		5SM34126RC	-	1	
		300	25		5SM36126RC	-	1	
		30	40		5SM33146RC	-	1	
		100	40		5SM34146RC	-	1	
		300	40		5SM36146RC	-	1	
			30	63	2.5	5SM33166RC	-	1
			100	63		5SM34166RC	-	1
			300	63		5SM36166RC	-	1
			30	80		5SM33176RC	-	1
			100	80		5SM34176RC	-	1
			300	80		5SM36176RC	-	1
	4 Pole	30	25	4	5SM33426RC	-	1	
		100	25		5SM34426RC	-	1	
		300	25		5SM36426RC	-	1	
		30	40		5SM33446RC	-	1	
		100	40		5SM34446RC	-	1	
		300	40		5SM36446RC	-	1	
			30	63		5SM33466RC	-	1
			100	63		5SM34466RC	-	1
			300	63		5SM36466RC	-	1
			30	80		5SM33476RC	-	1
			100	80		5SM34476RC	-	1
			300	80		5SM36476RC	-	1



# Discontinued

## Betagard Residual Current Circuit Breakers 5SM3





- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676092

Type A, applicable in networks with AC and/or pulsating DC residual currents

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)	
<b>Super Resistant K</b>							
	2 Pole	30	25	2	5SM33126RC01	-	1
		30	40		5SM33146RC01	-	1
	4 Pole	30	25	4	5SM33426RC01	-	1
		30	40		5SM33446RC01	-	1
		300	40		5SM36446RC01	-	1
		30	63		5SM33466RC01	-	1
		300	63		5SM36466RC01	-	1
		300	80		5SM36476RC01	-	1
	<b>Selective S</b>						
		2 Pole	300	40	2	5SM36148RC	-
100			63	5SM34168RC		-	1
300			63	5SM36168RC		-	1
300			80	5SM36178RC		-	1
4 Pole		100	40	4	5SM34448RC	-	1
		300	40		5SM36448RC	-	1
		100	63		5SM34468RC	-	1
		300	63		5SM36468RC	-	1
		300	125		5SM36458RC	-	1
		500	125		5SM37458RC	-	1

Type B, applicable in networks with AC, pulsating DC and pure DC residual currents

<b>Super Resistant K</b>							
	4 Pole	30	25	4	5SM33424RC	-	1
		300	25		5SM36424RC	-	1
		30	40		5SM33444RC	-	1
		300	40		5SM36444RC	-	1
		30	63		5SM33464RC	-	1
		300	63		5SM36464RC	-	1
		500	63		5SM37464RC	-	1
		30	80		5SM33474RC	-	1
		300	80		5SM36474RC	-	1
		500	80		5SM37474RC	-	1
<b>Selective S</b>							
	4 Pole	300	63	4	5SM36465RC	-	1
		500	63		5SM37465RC	-	1
		300	80		5SM36475RC	-	1
		500	80		5SM37475RC	-	1

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



## 7KT PAC1200

Multichannel current measuring system  
For flexible multichannel monitoring in final  
distribution

### Current Sensors

- Versions: 40 A, 63 A

### Sensor Bar

- Versions available for 3, 6, 9, 12

### Data Manager

- Connection of up to 96 sensors (40A/63A)
- DIN rail installation (4MW)

### Communication/ Software:

- Modbus TCP/ IP
- Simple system onfiguration via web server
- Easy access to energy data with mobile app (iOS/Android)

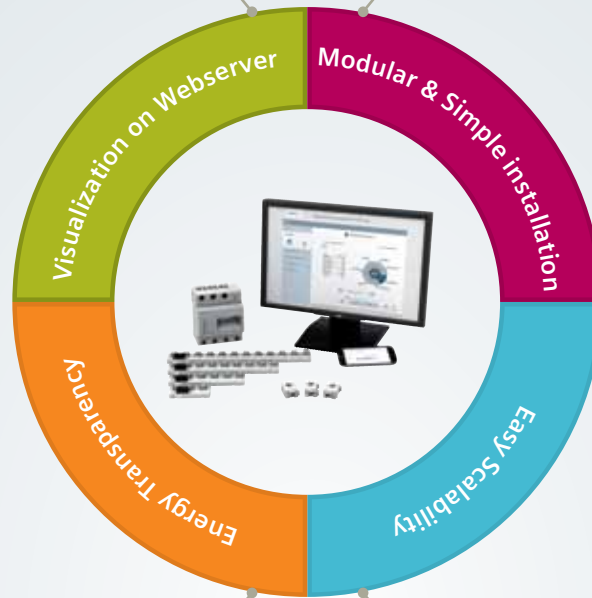
\*For more details, contact nearest Siemens Sales Office



- Modbus TCP/IP communication
- Simple configuration of system via powerconfig v3.6 and web server
- Visualization of consumption via Webserver and Mobile App (Android /iOS)

**fast**

- Flexible sensor bars and current sensors to record up to 96 circuits in one system
- Current sensors simply plug onto the sensor bars, eliminating extensive wiring



**plug  
and  
play**

- Targeted detection of power guzzlers
- Simultaneous display of power consumption and costs
- Ensures optimal power monitoring



- Easy to Upgrade
- Scale up the system without any interruption or cumbersome wiring



Easy



Transparent



Cost-efficient

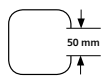

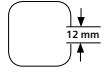

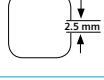

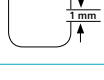

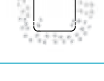

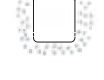






# Relevant Standards

Title	IS	IEC	Products						
			MCB		RCCB		RCBO	DB	AFDD
			5SL4/6/7	5SL5	5SV	5SM	5SU1	8GB	5SM6
Electric Installations – MCBs for Building Installations and Similar Purposes Part 1: MCBs for AC Systems	IS 60898-1	IEC 60898-1	✓	–	–	–	–	–	–
Low-voltage switchgear and controlgear Part 2: Circuit-breakers	IS 60947-2	IEC 60947-2	–	✓	–	–	–	–	
Residual Current Operated Circuit-Breakers for Household and Similar Uses, Part 1: Circuit-Breakers Without Integral Overcurrent Protection (RCCBs)	IS 12640-1	IEC 61008-1	–	–	✓	✓	–	–	
Residual Current Operated Circuit-Breaking for Household and Similar Uses, Part 2: Circuit-Breakers with Integral Overcurrent Protection (RCBOs)	IS 12640-2	IEC 61009-1	–	–	–	–	✓	–	
General requirements for arc fault detection devices	–	IEC 62606	–	–	–	–	–	✓	
Low-voltage switchgear and controlgear assemblies, Part 2: Power switchgear and controlgear assemblies	–	IEC 61439-2	–	–	–	–	–	✓	

## Degree of Protection

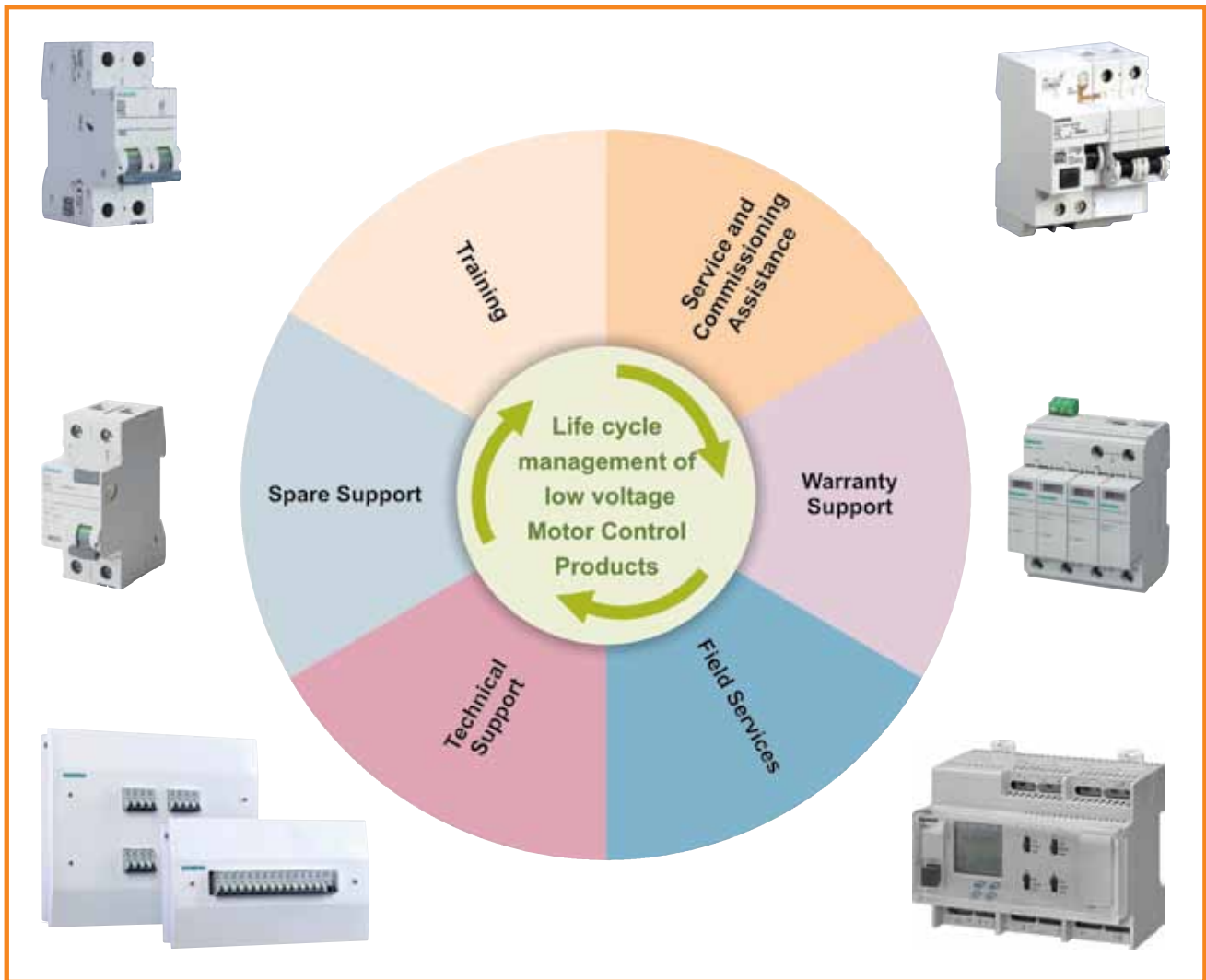
Ingress Protection (IP) ratings define protection of enclosures and devices against solid, foreign objects and the ingress of water. E.g. IP69 is the highest achievable rating and guarantees totally protection against dust, as well as high pressure, high temperature jets of water from multiple directions.

First digit: Protection against solid foreign objects	Second digit: Protection against ingress of water
0 No protection	0 No protection
 1 Protected against solid objects up to 50mm (e.g. hand)	 1 Protection against vertically falling drops of water (e.g. condensation)
 2 Protected against solid objects up to 12mm diameter (e.g. finger)	 2 Protection against direct sprays of water up to 15 degrees from vertical
 3 Protected against solid objects up to 2.5mm diameter (e.g. screwdriver)	 3 Protection against direct sprays of water up to 60 degrees from vertical
 4 Protected against solid objects up to 1mm diameter (e.g. wire)	 4 Protection against water sprayed from all directions, limited ingress permitted
 5 Protected against dust: limited ingress permitted, no harmful deposit.	 5 Protected against low-pressure jets of water from all directions, limited ingress permitted
 6 Totally protected against dust	 6 Protected against strong jets of water from all directions, limited ingress permitted (e.g. water from heavy seas on a ship's deck)
<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px;">IP</div> <div style="border: 1px solid black; padding: 5px;">6</div> <div style="border: 1px solid black; padding: 5px;">8</div> </div>	 7 Protected against the effect of temporary immersion (30 min) between 15cm and 1m
	 8 Protected against long period of immersion under pressure
	 9 Protected against high pressure, high temperature jets of water from multiple directions

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