

SACE Formula Air

Product details

- Range from 630A to 4000A in 3 frame sizes and 2 types of protection release
- $I_{cu} = I_{cs} = I_{cw}/1 \text{ sec} = 50\text{kA}$ at 440V
- Available in fixed and draw out versions
- Trip history - Last 20 trip history and Last 100 events with time stamping
- Switchable thermal memory
- Fully rated neutral with built-in protection
- Terminal orientation changeable at site for ease of termination
- New push-in type accessory terminal box
- Clear marking of accessory cabinet and terminal box for easy identification
- Interchangeable protection units

Draw - out version

Pole	Current Rating (In)	Icu/Icw (1s) kA @ 415V	CB/Frame	EK1 LI	EK1 LSIG	EK2 LSIG
				MDO	MDO	MDO
				HR/VR	HR/VR	HR/VR
3P	800A	50/50kA	FA1	2,84,380	2,89,880	3,03,880
	1000A	50/50kA	FA1	2,93,920	2,99,420	3,13,420
	1250A	50/50kA	FA1	3,25,290	3,30,790	3,44,790
	1600A	50/50kA	FA1	3,74,660	3,80,160	3,94,160
	1600A	50/50kA	FA2	3,79,750	3,85,250	3,99,250
	2000A	50/50kA	FA2	5,05,720	5,11,220	5,25,220
	2500A	50/50kA	FA4	6,24,990	6,30,490	6,44,490
	3200A	50/50kA	FA4	7,56,280	7,61,780	7,75,780
	4000A	50/50kA	FA4	9,30,710	9,36,210	9,50,210
4P	800A	50/50kA	FA1	3,56,550	3,62,050	3,76,050
	1000A	50/50kA	FA1	3,80,390	3,85,890	3,99,890
	1250A	50/50kA	FA1	4,14,700	4,20,200	4,34,200
	1600A	50/50kA	FA1	4,47,640	4,53,140	4,67,140
	1600A	50/50kA	FA2	4,64,200	4,69,700	4,83,700
	2000A	50/50kA	FA2	6,19,450	6,24,950	6,38,950
	2500A	50/50kA	FA4	7,59,220	7,64,720	7,78,720
	3200A	50/50kA	FA4	9,26,710	9,32,210	9,46,210
	4000A	50/50kA	FA4	11,91,220	11,96,720	12,10,720

Fixed version

Pole	Current Rating (In)	Icu/Icw (1s) kA @ 415V	CB/Frame	EK1 LI	EK1 LSIG	EK2 LSIG
				MF	MF	MF
				F-HR/VR	F-HR/VR	F-HR/VR
3P	800A	50/50kA	FA1	2,06,850	2,12,350	2,26,350
	1000A	50/50kA	FA1	2,24,410	2,29,910	2,43,910
	1250A	50/50kA	FA1	2,56,570	2,62,070	2,76,070
	1600A	50/50kA	FA1	2,77,920	2,83,420	2,97,420
	1600A	50/50kA	FA2	2,87,420	2,92,920	3,06,920
	2000A	50/50kA	FA2	3,77,960	3,83,460	3,97,460
	2500A	50/50kA	FA4	4,59,260	4,64,760	4,78,760
	3200A	50/50kA	FA4	6,63,930	6,69,430	6,83,430
	4000A	50/50kA	FA4	8,22,310	8,27,810	8,41,810
4P	800A	50/50kA	FA1	2,61,710	2,67,210	2,81,210
	1000A	50/50kA	FA1	2,82,640	2,88,140	3,02,140
	1250A	50/50kA	FA1	3,20,990	3,26,490	3,40,490
	1600A	50/50kA	FA1	3,60,900	3,66,400	3,80,400
	1600A	50/50kA	FA2	3,77,880	3,83,380	3,97,380
	2000A	50/50kA	FA2	4,96,330	5,01,830	5,15,830
	2500A	50/50kA	FA4	5,88,270	5,93,770	6,07,770
	3200A	50/50kA	FA4	8,18,100	8,23,600	8,37,600
	4000A	50/50kA	FA4	10,20,940	10,26,440	10,40,440

1) MF : Manually operated fixed breaker with Micro-processor release - 4 NO + 4 NC Aux. contact as standard (FA1..FA4)

2) MDO : Manually operated drawout breakers with Micro-processor releases - 4 NO + 4 NC Aux. contact as standard (FA1...FA4)

SACE Formula Air

Accessories

Description	Order Code	List Price (₹)
ELECTRICAL ACCESSORIES		
CONVERSION KIT FROM MDO to EDO FA1		78,260
CONVERSION KIT FROM MDO to EDO FA2_FA4		78,260
(Comprises of Closing Coil, Opening Coil & Motor Operator) Specify the coil voltages while ordering Conversion Kit		
UNDER VOLTAGE RELEASE FA	**	10,400
SHUNT OPENING COIL FA	**	9,940
SHUNT Closing COIL FA	**	9,940
MOTOR OPERATOR FA1	**	58,380
MOTOR OPERATOR FA2-FA4	**	58,380
Open/closed auxiliary contacts- AUX 15Q 400V FA1 #	1SDA085090R1	28,390
Open/closed auxiliary contacts - AUX 6Q FA2/FA4	1SDA080532R1	20,440
MECHANICAL ACCESSORIES		
MECH.OPERATION COUNTER FA1	1SDA085094R1	11,350
MECH.OPERATION COUNTER FA2-FA4	1SDA080540R1	11,350
KEY LOCK IN OPEN POS. DIFF. KEYS FA1	1SDA085095R1	7,400
KEY LOCK IN OPEN POS. DIFF. KEYS FA2-FA4	1SDA080541R1	7,400
KEY LOCK IN OPEN POS. SAME KEYS FA1	1SDA085096R1	7,400
KEY LOCK IN OPEN POS. SAME KEYS FA2-FA4	1SDA080542R1	7,400
KEYLOCK IN RACK - IN/TEST/RACK -OUT POS. Diff Keys FA1	1SDA085104R1	9,200
KEYLOCK IN RACK - IN/TEST/RACK -OUT POS. Diff Keys FA2-FA4	1SDA080550R1	9,200
KEYLOCK IN RACK - IN/TEST/RACK -OUT POS. Same Keys FA1	1SDA085105R1	9,200
KEYLOCK IN RACK - IN/TEST/RACK -OUT POS. Same Keys FA2-FA4	1SDA080551R1	9,200
Protection for Opening and Closing Push Button FA1	1SDA085115R1	2,240
Protection for Opening and Closing Push Button FA2-FA4	1SDA080561R1	2,240
IP 54 Cover FA1	1SDA085118R1	16,260
IP 54 Cover (Diff Keys) FA2-FA4	1SDA080568R1	16,260
MODULE		
Ek SUPPLY 110-240VAC/DC FA	1SDA080584R1	20,020

Note:

- All fixed parts are supplied as HR-HR configuration, however, it can be converted to HR/VR configuration
- All fixed ACBs are considered with rear HR-HR Terminals which can be converted to HR/VR configuration as per requirement
- All ACBs are suitable for floor mounting
- To arrive at the disconnecter (MS Version) price, please reduce the LP of breakers with LI release by ₹15,000/- and add the price of the Aux. contact, if required. Safety shutter is inbuilt as standard in the fixed part.
- All requirement of Electrically operated ACBs (FA1-FA4 frame) with required control voltage will be factory fitted with Shunt Opening Coil, Shunt Closing Coil, Motor Operator as standard supply.
- ATO (Assembly to order), ACB with accessories fitment can be supplied from the factory fitted while ordering to ABB.

** Price considered is for 240V, for other voltages, please contact the nearest sales office

For FA1 below material needs to be considered with AUX 15Q
 Plate for fixed - floor mounted - 1SDA079783R1
 Plate for withdrawable - 1SDA079784R1

SACE Formula DSP P1-P4

Molded case circuit breaker

Breaking capacity at 415VAC		
	Icu	Ics (Icu)
B	18kA	100%
C	25kA	100%
N	36kA	100%
S	50kA	100%

TMD/TMA		B		C		N		S		
Frame	In	Poles	Ordering Code	L.P. (₹)	Ordering Code	L.P. (₹)	Ordering Code	L.P. (₹)	Ordering Code	L.P. (₹)
P1 160	40	3P	1SDA116207R1	9,240	1SDA116231R1	9,410	1SDA116255R1	12,500		
	63		1SDA116209R1		1SDA116233R1		1SDA116257R1			
	80		1SDA116210R1		1SDA116234R1		1SDA116258R1			
	100		1SDA116211R1	1SDA116235R1	1SDA116259R1					
	125		1SDA116212R1	11,670	1SDA116236R1	13,650	1SDA116260R1	14,110		
	160		1SDA116213R1	13,340	1SDA116237R1	17,710	1SDA116261R1	18,790		
P2 250	200			1SDA116325R1	23,960	1SDA116337R1	27,120			
	250			1SDA116326R1	27,860	1SDA116338R1	30,100			
P3 630	320					1SDA116371R1	38,830	1SDA116380R1	41,770	
	400					1SDA116372R1	38,830	1SDA116381R1	41,770	
	630					1SDA116373R1	50,380	1SDA116382R1	52,630	
P4 800	800					1SDA116398R1	80,270	1SDA116401R1	90,120	

TMD/TMA		B		C		N		S		
Frame	In	Poles	Ordering Code	L.P. (₹)	Ordering Code	L.P. (₹)	Ordering Code	L.P. (₹)	Ordering Code	L.P. (₹)
P1 160	40	4P	1SDA116218R1	12,230	1SDA116242R1	13,110	1SDA116266R1	15,710		
	63		1SDA116220R1		1SDA116244R1		1SDA116268R1			
	80		1SDA116221R1		1SDA116245R1		1SDA116269R1			
	100		1SDA116222R1	1SDA116246R1	1SDA116270R1					
	125		1SDA116225R1	14,340	1SDA116249R1	16,960	1SDA116273R1	18,150		
	160		1SDA116226R1	18,220	1SDA116250R1	21,670	1SDA116274R1	22,780		
P2 250	200			1SDA116333R1	29,980	1SDA116345R1	33,350			
	250			1SDA116334R1	33,980	1SDA116346R1	36,480			
P3 630	320					1SDA116377R1	48,320	1SDA116386R1	52,410	
	400					1SDA116378R1	48,320	1SDA116387R1	52,410	
	630					1SDA116379R1	62,060	1SDA116388R1	69,050	
P4 800	800					1SDA116400R1	86,630	1SDA116403R1	1,01,830	

SACE Formula DSP P1-P4

Accessories



Terminals (supplied with phase barrier)					
Size	Type	6 pcs (kit for 3p)	L.P (₹)	8 pcs (kit for 4p)	L.P (₹)
P1	ES Extended spread front terminals 47mm	1SDA116501R1	2,040	1SDA116502R1	2,730
P2	ES Extended spread front terminals 70mm	1SDA116505R1	2,780	1SDA116506R1	3,550
P3	ES Extended spread front terminals 80mm	1SDA116509R1	5,490	1SDA116510R1	7,300
P4	EF Extended front terminals 70mm (1/2 kit)	1SDA104736R1 ⁽¹⁾	5,760	1SDA104737R1 ⁽²⁾	7,300

(1) Code is for 3 pcs, if required for both top & bottom side order 2 quantities

(2) Code is for 4 pcs, if required for both top & bottom side order 2 quantities

Auxiliary contacts - AUX					
Size	Type	24V DC	L.P (₹)	250V AC	L.P (₹)
P1-P4	AUX Q or SY	1SDA116439R1	2,000	1SDA116440R1	1,260

Service releases					
Size	Voltages	SOR	L.P (₹)	UVR	L.P (₹)
P1-P2	24-30V AC/DC	1SDA116448R1	2,880	1SDA116454R1	4,560
	110...127V AC / 110...125V DC	1SDA116445R1	2,690	1SDA116452R1	4,440
	220...240V AC / 220...250V DC	1SDA116447R1	2,690	1SDA116453R1	
	UVR 380-440V AC			1SDA116455R1	
P3-P4	24...30 VAC/DC	1SDA116461R1	4,300	1SDA116467R1	9,420
	110...127 VAC - 110...125 VDC	1SDA116459R1	4,300	1SDA116464R1	
	220...240 VAC – 220...250 VDC				
	380...440 VAC			1SDA116468R1	

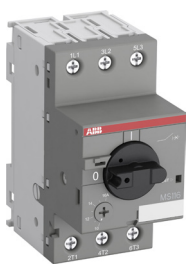
Rotary handles					
Size	Type	RHD	L.P (₹)	RHE	L.P (₹)
P1-P2	Rotary Handle	1SDA116477R1	2,100	1SDA116483R1	2,050
P3	Rotary Handle	1SDA116478R1	4,730	1SDA116485R1	4,340
P4	Rotary Handle	1SDA116480R1	6,460	1SDA116488R1	8,460

Locking arrangement - Padlock / Keylock					
Size	Type	Padlock	L.P (₹)	Keylock*	L.P (₹)
P1-P2	Locking arrangement	1SDA116491R1	2,000	1SDA066617R1	2,690
P3	Locking arrangement	1SDA116493R1	3,650	1SDA105081R1	5,190
P4	Locking arrangement	1SDA116495R1	5,030	1SDA105091R1	

* Keylock mounted on mechanism of RHE on MCCB or on RHD

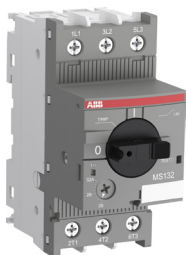
Manual motor starter

With thermal and electromagnetic protection



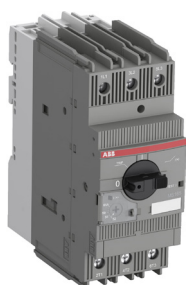
MS116 Manual motor starters with short circuit, overload and phase loss protection

Rated power 415V KW	Ie current setting range Amp	S/C Icu breaking capacity kA	Type	Ordering code	L.P. (₹)
0.03	0.10 ... 0.16	50	MS116-0.16	1SAM250000R1001 ■	4,690
0.06	0.16 ... 0.25	50	MS116-0.25	1SAM250000R1002 ■	4,690
0.09	0.25 ... 0.40	50	MS116-0.4	1SAM250000R1003 ■	4,690
0.12	0.40 ... 0.63	50	MS116-0.63	1SAM250000R1004 ■	5,450
0.25	0.63 ... 1.00	50	MS116-1.0	1SAM250000R1005 ■	5,400
0.55	1.00 ... 1.60	50	MS116-1.6	1SAM250000R1006 ■	5,410
0.75	1.60 ... 2.50	50	MS116-2.5	1SAM250000R1007 ■	5,410
1.5	2.50 ... 4.00	50	MS116-4.0	1SAM250000R1008 ■	5,670
2.2	4.00 ... 6.30	50	MS116-6.3	1SAM250000R1009 ■	5,670
4.0	6.30 ... 10.0	50	MS116-10	1SAM250000R1010 ■	5,840
5.5	8.00 ... 12.0	25	MS116-12	1SAM250000R1012 ■	6,640
7.5	10.0 ... 16.0	16	MS116-16	1SAM250000R1011 ■	7,030
9.0	16.0 ... 20.0	15	MS116-20	1SAM250000R1013 ■	7,480
12.5	20.0 ... 25.0	15	MS116-25	1SAM250000R1014 ■	8,080
15.5	25.0 ... 32.0	10	MS116-32	1SAM250000R1015 ■	15,010



MS132 Manual motor starters with short circuit, overload and phase loss protection

Rated power 415V KW	Ie current setting range Amp	S/C Icu breaking capacity kA	Type	Ordering code	L.P. (₹)
0.03	0.10 ... 0.16	100	MS132-0.16	1SAM350000R1001	6,150
0.06	0.16 ... 0.25	100	MS132-0.25	1SAM350000R1002 ■	6,150
0.09	0.25 ... 0.40	100	MS132-0.4	1SAM350000R1003 ■	6,150
0.12	0.40 ... 0.63	100	MS132-0.63	1SAM350000R1004 ■	7,030
0.25	0.63 ... 1.00	100	MS132-1.0	1SAM350000R1005 ■	7,080
0.55	1.00 ... 1.60	100	MS132-1.6	1SAM350000R1006 ■	7,290
0.75	1.60 ... 2.50	100	MS132-2.5	1SAM350000R1007 ■	7,290
1.5	2.50 ... 4.00	100	MS132-4.0	1SAM350000R1008 ■	7,460
2.2	4.00 ... 6.30	100	MS132-6.3	1SAM350000R1009 ■	7,550
4.0	6.30 ... 10.0	100	MS132-10	1SAM350000R1010 ■	7,950
5.5	8.00 ... 12.0	100	MS132-12	1SAM350000R1012 ■	9,290
7.5	10.0 ... 16.0	100	MS132-16	1SAM350000R1011 ■	10,730
9.0	16.0 ... 20.0	100	MS132-20	1SAM350000R1013 ■	11,350
12.5	20.0 ... 25.0	50	MS132-25	1SAM350000R1014 ■	11,670
15.5	25.0 ... 32.0	50	MS132-32	1SAM350000R1015 ■	20,130



MS165 manual motor starters with short circuit, overload and phase loss protection

Ie current setting range Amp	S/C Icu breaking capacity kA	Type	Ordering code	L.P. (₹)
10 ... 16	100	MS165-16	1SAM451000R1011	18,240
14 ... 20	100	MS165-20	1SAM451000R1012	19,070
18 ... 25	100	MS165-25	1SAM451000R1013	19,540
23 ... 32	100	MS165-32	1SAM451000R1014 ■	20,950
30 ... 42	50	MS165-42	1SAM451000R1015 ■	22,560
40 ... 54	50	MS165-54	1SAM451000R1016 ■	27,940
52 ... 65	50	MS165-65	1SAM451000R1017 ■	29,430
62 ... 73	-	MS165-73	1SAM451000R1018	31,510
70 ... 80	-	MS165-80	1SAM451000R1019	32,410

■ Stock items

Manual motor starter

Accessories for MS116, MS132, MO132, MS132-T, MS165, MO165



AA1-24

Suitable for	Rated voltage	Type	Ordering code	L.P.(₹)
MS116, MS132, MO132, MS132-T MS165 MO165	Shunt trip			
	20 ... 24	AA1-24	1SAM201910R1001	5,220
	110	AA1-110	1SAM201910R1002 ■	5,220
	200-240	AA1-230	1SAM201910R1003 ■	5,220
	350-415	AA1-400	1SAM201910R1004	5,220
	Undervoltage release			
	24	UA1-24	1SAM201904R1001	4,280
	110	UA1-110	1SAM201904R1004	4,280
	230	UA1-230	1SAM201904R1005	4,280
	415	UA1-415	1SAM201904R1007	4,280



HKF1-11

Suitable for	Aux contacts	Type	Ordering code	L.P.(₹)
MS116, MS132, MO132, MS132-T MS165 MO165	Auxiliary contacts – mountable on the front			
	1NO+1NC	HKF1-11	1SAM201901R1001 ■	1,020
	2 NO	HKF1-20	1SAM201901R1002 ■	1,020
	1NO	HKF1-10	1SAM201901R1003 ■	650
	1NC	HKF1-01	1SAM201901R1004 ■	650
	Auxiliary contacts – mountable on the right			
	1NO+1NC	HK1-11	1SAM201902R1001 ■	1,400
	2 NO	HK1-20	1SAM201902R1002 ■	1,400
	2 NC	HK1-02	1SAM201902R1003 ■	1,400



SK1-11

CK1-11

Suitable for	Aux contacts	Type	Ordering code	L.P.(₹)
MS116, MS132, MO132, MS 165 MO 165 MS132-T MS132 MS132-T MS165	Signalling contacts			
	1NO+1NC	SK1-11**	1SAM201903R1001 ■	1,920
	2 NO	SK1-20**	1SAM201903R1002 ■	1,920
	2 NC	SK1-02**	1SAM201903R1003	1,920
	Short circuit Signalling contacts			
	1NO+1NC	CK1-11#	1SAM301901R1001 ■	2,690
	2 NO	CK1-20#	1SAM301901R1002 ■	2,690
	2 NC	CK1-02#	1SAM301901R1003	2,690

**for tripped alarm, max 2 piece

#for short-circuit alarm, max. 2 pieces

Thermal overload relays



TA25, TA42 and TA75 relays

Relay range in Amps	Direct mounting on contactors	Type code reference	Ordering code	L.P.(₹)
0.1 ... 0.16		TA25DU 0.16M	1SAZ211201R2005 ■	2,390
0.16 ... 0.25		TA25DU 0.25M	1SAZ211201R2009 ■	2,390
0.25 ... 0.4		TA25DU 0.4M	1SAZ211201R2013 ■	2,390
0.4 ... 0.63		TA25DU 0.63M	1SAZ211201R2017 ■	2,390
0.63 ... 1.0		TA25DU 1.0M	1SAZ211201R2021 ■	2,430
1.0 ... 1.4		TA25DU 1.4M	1SAZ211201R2023 ■	2,430
1.3 ... 1.8		TA25DU 1.8M	1SAZ211201R2025 ■	2,430
1.7 ... 2.4	A9...A40	TA25DU 2.4M	1SAZ211201R2028 ■	2,430
2.2 ... 3.1	AX9...AX40	TA25DU 3.1M	1SAZ211201R2031 ■	2,430
2.8 ... 4.0	AL9...AL40	TA25DU 4.0M	1SAZ211201R2033 ■	2,430
3.5 ... 5.0	TAL9...TAL40	TA25DU 5.0M	1SAZ211201R2035 ■	2,430
4.5 ... 6.5		TA25DU 6.5M	1SAZ211201R2038 ■	2,430
6.0 ... 8.5		TA25DU 8.5M	1SAZ211201R2040 ■	2,430
7.5 ... 11.0		TA25DU 11M	1SAZ211201R2043 ■	2,470
10.0 ... 14.0		TA25DU 14M	1SAZ211201R2045 ■	2,470
13.0 ... 19.0		TA25DU 19M	1SAZ211201R2047 ■	3,000
18.0 ... 25.0		TA25DU 25M	1SAZ211201R2051 ■	3,000
24.0 ... 32.0		TA25DU 32M	1SAZ211201R2053 ■	3,000
TA42DU				
18.0 ... 25.0	A30, A40,	TA42DU 25	1SAZ311201R2001 ■	4,710
22.0 ... 32.0	AX32...AX40	TA42DU 32	1SAZ311201R2002 ■	5,120
29.0 ... 42.0	AL30, AL40, TAL30, TAL 40	TA42DU 42	1SAZ311201R2003 ■	5,220
TA75DU				
22 ... 32		TA75DU 32	1SAZ321201R2002 ■	5,910
29 ... 42		TA75DU 42	1SAZ321201R2003 ■	7,080
36 ... 52	A50...A75	TA75DU 52	1SAZ321201R2004 ■	7,220
45 ... 63	AX50...AX80	TA75DU 63	1SAZ321201R2005 ■	7,480
60 ... 80		TA75DU 80	1SAZ321201R2006 ■	8,030
TA80DU				
29 ... 42		TA80DU-42M	1SAZ331201R2003 ■	8,880
36 ... 52	A95...A110,	TA80DU-52M	1SAZ331201R2004 ■	8,880
45 ... 63	AX95...AX150	TA80DU-63M	1SAZ331201R2005 ■	8,880
60 ... 80		TA80DU-80M	1SAZ331201R2006 ■	9,560

TA25/TA42/TA75/TA80/TA110/TA200 are direct operated relays with trip class 10A

TA110DU

65.0 ... 90.0 A	A95...A110,	TA110DU-90M	1SAZ411201R2001	14,370
80.0 ... 110.0 A	AX95...AX150	TA110DU-110M	1SAZ411201R2002	15,600

TA200DU

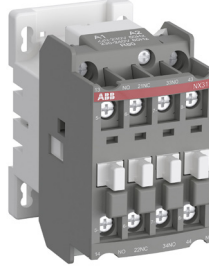
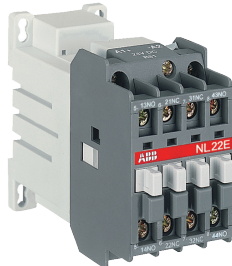
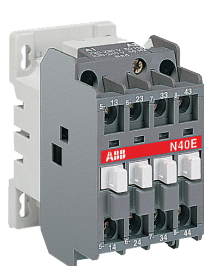
66 ... 90		TA200DU-90	1SAZ421201R1001 ■	16,530
80 ... 110		TA200DU-110	1SAZ421201R1002 ■	17,910
100 ... 135	A145...A185	TA200DU-135	1SAZ421201R1003 ■	19,110
110 ... 150	AX185...AX205	TA200DU-150	1SAZ421201R1004 ■	20,820
130 ... 175	AF190, AF205	TA200DU-175	1SAZ421201R1005 ■	21,660
150 ... 200		TA200DU-200	1SAZ421201R1006 ■	22,650

Accessories

Independent Mounting Kit	TA25DU0.16..25A	DB25/25	1SAZ201108R0001 ■	560
	TA25DU32	DB25/32	1SAZ201108R0002	1,220
	TA42DU, TA75DU, TA80DU	DB80	1SAZ301110R0001 ■	5,340
	TA110DU, TA200DU	DB200	1SAZ401110R0001 ■	5,520

■ Stock items

Auxiliary contactors



Standard control contactors

No. of contacts	Contact configuration		Type code reference	Ordering code	L.P.(₹)	Type code reference	Ordering code	L.P.(₹)
	NO	NC						
4	2	2	N22E **	1SBH141001R□□22 ■	1,890	NL22E **	1SBH143001R□□22 ■	2,840
4	3	1	N31E **	1SBH141001R□□31 ■		NL31E **	1SBH143001R□□31 ■	
4	4	0	N40E **	1SBH141001R□□40 ■		NL40E **	1SBH143001R□□40 ■	

No. of contacts	Contact configuration		Type code reference	Ordering code	L.P.(₹)
	NO	NC			
4	2	2	NX22E	1SBH901074R□□22 ■	1,730
4	3	1	NX31E	1SBH901074R□□31 ■	
4	4	0	NX40E	1SBH901074R□□40 ■	

Wide band AC / DC operated

No. of contacts	Contact configuration		Type code reference	Ordering code	L.P.(₹)
	NO	NC			
4	2	2	NF22E **	1SBH137001R□□22 ■	3,420
4	3	1	NF31E **	1SBH137001R□□31 ■	
4	4	0	NF40E **	1SBH137001R□□40 ■	

Wide band low power consumption

Type code reference #	Ordering code	L.P.(₹)
NFZ22E **	1SBH136001R□□22	4,740
NFZ31E **	1SBH136001R□□31	
NFZ40E **	1SBH136001R□□40	

Refer coil voltage & codes mentioned below.

#Allows direct control by PLC output ≥ 24 V DC 500 mA

Coil voltages and codes

N & NX range (AC operated)

Voltage	Voltage	Code
V - 50Hz	V - 60Hz	□□
24	24	8 1 ■
110	110 ... 120	8 4 ■
220 ... 230	230 ... 240	8 0 ■
400 ... 415	415 ... 440	8 6 ■

NF range (AC/DC operated)

Voltage	Voltage	Code
V 50/60 Hz	V DC	□□
24...60	20...60	1 1 ■
48...130	48...130	1 2 ■
100...250	100...250	1 3 ■
250...500	250...500	1 4 ■

NL (DC operated)

Voltage	Code
V DC	□□
24	8 1 ■
48	8 3 ■
110	8 6 ■
220	8 8 ■

NFZ range (AC/DC operated)

Voltage	Voltage	Code
V 50/60 Hz	V DC	□□
-	12...20	2 0
24...60	20...60	2 1
48...130	48...130	2 2
100...250	100...250	2 3

■ Stock items

3 pole contactors: AX09...AX370 : AC operated



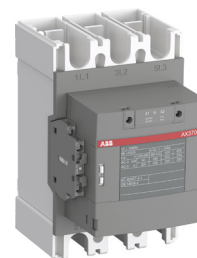
AX09



AX95



AX185



AX370

AX Contactor

AX contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC.

These contactors are of the block type design with:

- 3 main poles and built-in auxiliary contact
- Control circuit: AC operated
- Add-on auxiliary contact blocks for front or side mounting and a wide range of accessories

Contactors: 3-pole – AC operated

AC1 duty Amps	AC3 rating at 415V		Auxiliary contacts		Type code	Ordering code	L.P.(₹)
	Amps	kW					
22	9	4	1NO	-	AX09-30-10	1SBL901074R□□10 ■	1,520
22	9	4	-	1NC	AX09-30-01	1SBL901074R□□01 ■	1,520
25	12	5.5	1NO	-	AX12-30-10	1SBL911074R□□10 ■	1,700
25	12	5.5	-	1NC	AX12-30-01	1SBL911074R□□01 ■	1,700
27	18	9	1NO	-	AX18-30-10	1SBL921074R□□10 ■	1,990
27	18	9	-	1NC	AX18-30-01	1SBL921074R□□01 ■	1,990
32	25	11	1NO	-	AX25-30-10	1SBL931074R□□10 ■	2,720
32	25	11	-	1NC	AX25-30-01	1SBL931074R□□01 ■	2,720
55	32	15	1NO	-	AX32-30-10	1SBL281074R□□10 ■	5,700
55	32	15	-	1NC	AX32-30-01	1SBL281074R□□01 ■	5,700
60	40	18.5	1NO	-	AX40-30-10	1SBL321074R□□10 ■	8,730
60	40	18.5	-	1NC	AX40-30-01	1SBL321074R□□01 ■	8,730
100	50	25	1NO	1NC	AX50-30-11	1SBL351074R□□11 ■	11,180
115	65	30	1NO	1NC	AX65-30-11	1SBL371074R□□11 ■	15,200
125	80	37	1NO	1NC	AX80-30-11	1SBL411074R□□11 ■	19,270
145	96	45	1NO	1NC	AX95-30-11	1SFL431074R□□11 ■	23,290
160	115	55	1NO	1NC	AX115-30-11	1SFL981074R□□11 ■	29,170
190	150	75	1NO	1NC	AX150-30-11	1SFL991074R□□11 ■	37,940
250	185	90	1NO	1NC	AX185-30-11	1SFL491074R□□11 ■	47,470
275	205	110	1NO	1NC	AX205-30-11	1SFL501074R□□11 ■	51,600
400	265	132	1NO	1NC	AX260-30-11	1SFL547074R□□11 ■	74,560
500	305	160	1NO	1NC	AX300-30-11	1SFL587074R□□11 ■	82,100
600	370	200	1NO	1NC	AX370-30-11	1SFL607074R□□11 ■	1,04,260

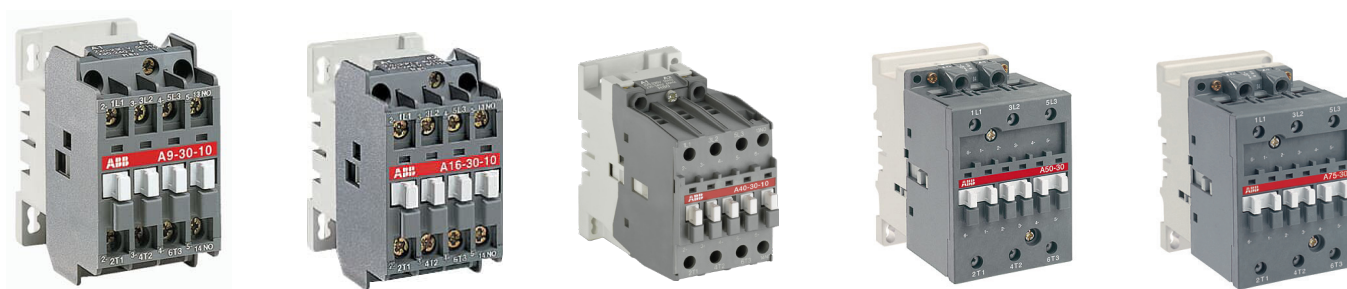
Note: Complete the contactor code by replacing □□ with desired coil voltages as per above table.

Coil voltages and codes AX range

Voltage	Voltage	Code
□□ V - 50Hz	□□ V - 60Hz	□□
24	24	8 1 ■
110	110	8 4 ■
220 ... 230	220 ... 230	8 0 ■
400 ... 415	400 ... 415	8 6 ■

■ Stock items

3 pole contactors: AC operated



Contactors: 3-pole – AC operated

AC1 duty Amps	AC3 rating at 415V			Auxiliary contacts		Type code	Ordering code	L.P.(₹)
	Amps	hP	kW					
25	9	5.5	4	1NO	-	A09-30-10 **	1SBL141001R□□10 ■	1,740
25	9	5.5	4	-	1NC	A09-30-01 **	1SBL141001R□□01 ■	1,740
27	12	7.5	5.5	1NO	-	A12-30-10 **	1SBL161001R□□10 ■	1,980
27	12	7.5	5.5	-	1NC	A12-30-01 **	1SBL161001R□□01 ■	1,960
30	17	12.5	7.5	1NO	-	A16-30-10 **	1SBL181001R□□10 ■	2,330
30	17	12.5	7.5	-	1NC	A16-30-01 **	1SBL181001R□□01 ■	2,310
45	26	15	11	1NO	-	A26-30-10 **	1SBL241001R□□10 ■	3,170
45	26	15	11	-	1NC	A26-30-01 **	1SBL241001R□□01 ■	3,170
55	32	20	15	1NO	-	A30-30-10 **	1SBL281001R□□10 ■	6,360
55	32	20	15	-	1NC	A30-30-01 **	1SBL281001R□□01 ■	6,360
60	37	30	18.5	1NO	-	A40-30-10 **	1SBL321001R□□10 ■	9,480
60	37	30	18.5	-	1NC	A40-30-01 **	1SBL321001R□□01 ■	9,480
100	50	40	25	-	-	A50-30-00 **	1SBL351001R□□00 ■	12,400
115	65	50	37	-	-	A63-30-00 **	1SBL371001R□□00 ■	17,430
125	75	60	40	-	-	A75-30-00 **	1SBL411001R□□00 ■	21,870
145	96	70	55	1NO	1NC	A95-30-11**	1SFL431001R□□11 ■	29,060
160	110	75	59	1NO	1NC	A110-30-11**	1SFL451001R□□11 ■	36,240
250	145	100	75	1NO	1NC	A145-30-11**	1SFL471001R□□11 ■	45,390
275	185	115	90	1NO	1NC	A185-30-11**	1SFL491001R□□11 ■	57,720

Complete the contactor type code by replacing ** with desired coil voltage, AF contactors have advanced electronic coil interface with wideband AC/DC coil

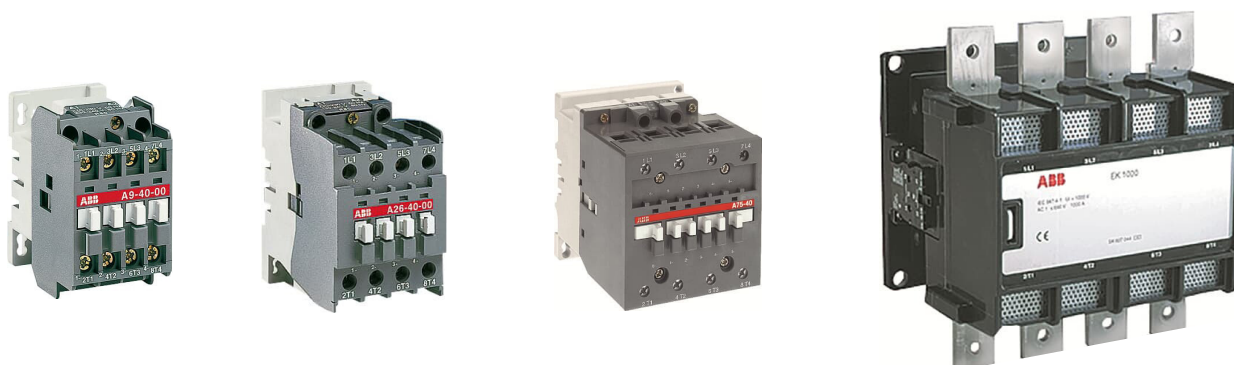
Coil voltages and codes:

A09 ... A185 range

Voltage	Voltage	Code
□□ V - 50Hz	□□ V - 60Hz	□□
24	24	8 1 ■
110	110 ... 120	8 4 ■
220 ... 230	230 ... 240	8 0 ■
400 ... 415	415 ... 440	8 6 ■

Note: For non-standard coil voltage, other than this contact us for price.

4 pole contactors: AC operated



Contactors: 4-pole (AC operated)

Rating at 415V AC1 Amps	Main contact arrangement		Auxiliary contacts		Type code reference	Ordering code	L.P.(₹)
25	4NO	-	-	-	A09-40-00 **	1SBL141201R□□00 ■	2,530
30	4NO	-	-	-	A16-40-00 **	1SBL181201R□□00 ■	2,700
45	4NO	-	-	-	A26-40-00 **	1SBL241201R□□00 ■	4,730
70	4NO	-	-	-	A45-40-00**	1SBL331201R□□00 ■	13,000
100	4NO	-	-	-	A50-40-00**	1SBL351201R□□00 ■	18,900
125	4NO	-	-	-	A75-40-00**	1SBL411201R□□00 ■	25,140
800	4NO	-	1NO	1NC	EK550-40-11 **	SK827041 - □□ ■	Upon request
1000	4NO	-	1NO	1NC	EK1000-40-11 **	SK827044 - □□	
25	2NO	2NC	-	-	A09-22-00 **	1SBL141501R□□00 ■	2,930
30	2NO	2NC	-	-	A16-22-00 **	1SBL181501R□□00 ■	3,110
45	2NO	2NC	-	-	A26-22-00 **	1SBL241501R□□00 ■	5,920
70	2NO	2NC	-	-	A45-22-00**	1SBL331501R□□00	18,200
125	2NO	2NC	-	-	A75-22-00**	1SBL411501R□□00	28,800

Complete the contactor type code by replacing ** with desired coil voltage

Coil voltages and codes:

A09 ... A 75 range

Voltage	Voltage	Code
V - 50Hz	V - 60Hz	□□
24	24	8 1
110	110 ... 120	8 4
220 ... 230	230 ... 240	8 0
400 ... 415	415 ... 440	8 6

Note: For non-standard coil voltage, other than this contact us for price.

Coil voltages and codes: EK550 ... EK1000

Voltage	Voltage	Code
□□□ V - 50Hz	□□□ V - 60Hz	□□
-	110	A E
110	120	A F
220 ... 230	*	A L ■
230 ... 240	-	A M
400 ... 415	-	A R

3 pole contactors AL range: DC operated



AL contactors

AC 1 duty Amps	AC3 rating at 415V			Auxiliary contacts		Type code reference	Ordering code	L.P.(₹)
	Amps	hP	kW					
25	9	5	4	1NO	-	AL9-30-10	1SBL143001R□□10 ■	3,070
25	9	5	4	-	1NC	AL9-30-01	1SBL143001R□□01 ■	3,090
27	12	7.5	5.5	1NO	-	AL12-30-10	1SBL163001R□□10	3,340
27	12	7.5	5.5	-	1NC	AL12-30-01	1SBL163001R□□01	3,400
30	17	10	7.5	1NO	-	AL16-30-10	1SBL183001R□□10 ■	4,030
30	17	10	7.5	-	1NC	AL16-30-01	1SBL183001R□□01	4,030
45	26	20	11	1NO	-	AL26-30-10	1SBL243001R□□10 ■	5,880
45	26	20	11	-	1NC	AL26-30-01	1SBL243001R□□01	5,880
55	32	25	15	1NO	-	AL30-30-10	1SBL283001R□□10	11,660
55	32	25	15	-	1NC	AL30-30-01	1SBL283001R□□01	11,660
60	37	30	18.5	1NO	-	AL40-30-10	1SBL323001R□□10	14,420
60	37	30	18.5	-	1NC	AL40-30-01	1SBL323001R□□01	14,420

Coil voltages and codes: AL

Voltage	Code
 V DC	□□
24	8 1
110	8 6 ■
220	8 8

Other voltages: contact nearest ABB sales office.

Contactors for DC circuit switching: AC/DC operated

Coil	Current ratings at 440V DC			Type code reference	Ordering code	L.P.(₹)
	DC-1	DC-3	DC-5			
AC	100A	85A	50A	GA75-10-11 **	1SBL411025R□□11	Upon request
DC	100A	85A	50A	GAE75-10-11 **	1SBL419025R□□11	

Complete the contactor type code by replacing ** with desired coil voltage

Coil	Current ratings at 1000V DC		Type code reference	Ordering code	L.P.(₹)
	DC-1 L/R 1 ms				
AC/DC	275A		GAF185-10-11	1SFL497025R□□11	Upon request
	450A		GAF300-10-11	1SFL557025R□□11	
	700A		GAF460-10-11	1SFL597025R□□11	
	1050A		GAF750-10-11	1SFL637025R□□11	
	1250A		GAF1250-10-11	1SFL647025R□□11	
	1650A		GAF1650-10-11	1SFL677025R□□11	
	2050A		GAF2050-10-11	1SFL707025R□□11	

For DC3, DC5 ratings refer technical catalog

Coil voltages and codes:

GA 75

Voltage	Voltage	Code
 V - 50Hz	 V - 60Hz	□□
24	24	8 1
110	110 ... 120	8 4
220 ... 230	230 ... 240	8 0
400 ... 415	415 ... 440	8 6

Coil voltages and codes:

GAE 75

Voltage	Code
 V d.c.	□□
12	8 0
24	8 2
42	8 1
110	8 6
240	8 9

Coil voltages and codes:

GAF range (AC/DC operated)

Voltage	Voltage	Code
 V 50/60 Hz	 V DC	□□
-	24...60	6 8
48...130	48...130	6 9
100...250	100...250	7 0
250...500	250...500	7 1

Accessories for contactors



Auxiliary contact block

Description	Mounting on contactors	Contact configuration		Type code reference	Ordering code	L.P.(₹)
		NO	NC			
Front mounted single pole add-on blocks	A9...A110 AL9...AL40, TAL9...TAL40 N,NL & UA	1NO	-	CA5-10	1SBN010010R1010 ■	300
		-	1NC	CA5-01	1SBN010010R1001 ■	300
		4NO	-	CA5-40 E	1SBN010040R1040	1,340
		3NO	1NC	CA5-31 E	1SBN010040R1031	
		2NO	2NC	CA5-22 E	1SBN010040R1022 ■	
Side mounted 2 pole add-on blocks	A9...A75, AL9...AL40, TAL9...TAL40, N, NL & UA 16..75	4NC	CA5-04 E	1SBN010040R1004		
		1NO	1NC	CAL5-11	1SBN010020R1011 ■	1000
	A95...A185, UA95...UA110, AF400...AF2050	1NO	1NC	CAL18-11	1SFN010720R1011 ■	1,160
	A145...A185 AF400...AF2050	1NO	1NC	CAL18-11B	1SFN010720R3311 ■	
	AF205...AF370	1NO	1NC	CAL19-11	1SFN010820R1011 ■	
		1NO	1NC	CAL19-11B	1SFN010820R3311	

Auxiliary contact blocks for EK range of contactors:

Description	Mounting on contactors	Contact configuration		Type code reference	Ordering code	L.P.(₹)
		NO	NC			
Side mounting Two pole auxiliary contact blocks	EK110 ... EK1000	1NO	1NC	CAL16-11A	SK829002-A ■	1,170
		1NO	1NC	CAL16-11B	SK829002-B ■	
		1NO	1NC	CAL16-11C	SK829002-C	
		1NO	1NC	CAL16-11D	SK829002-D	

* Refer technical catalogue for proper selection.

■ Stock items

Accessories for contactors



Auxiliary contact block

Description	Mounting on contactors	Contact configuration		Type code reference	Ordering code	L.P. (₹)
		NO	NC			
Front mounted single pole add-on blocks	AX09...AX150, NX 4-pole	1NO	-	CA5X-10	1SBN019010R1010 ■	290
		-	1NC	CA5X-01	1SBN019010R1001 ■	290
Front mounted Four pole add-on blocks	AX09...AX150, NX 4-pole	2NO	2NC	CA5X-22E	1SBN019040R1022 ■	1,020
		3NO	1NC	CA5X-31E	1SBN019040R1031	
		4NO	-	CA5X-40E	1SBN019040R1040	
		-	4NC	CA5X-04E	1SBN019040R1004	
Side mounted 2 pole add-on blocks	AX09...AX80, NX 4-pole	1NO	1NC	CAL5X-11	1SBN019020R1011 ■	920
	AX95...AX205	1NO	1NC	CAL18X-11	1SBN019820R1011 ■	930
		1NO	1NC	CAL18X-11B	1SBN019820R3311 ■	
	AX260...AX370	1NO	1NC	CAL19-11	1SBN010820R1011	1,160
		1NO	1NC	CAL19-11B	1SBN010820R3311	

Surge suppressors



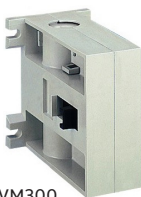
For contactor types	Voltage range	Type code reference	Ordering code	L.P. (₹)
AL9...AL40, TAL9...TAL40, NL	12...32 DC	RT5/32	1SBN050020R1000 ■	1,200
	25...65 DC	RT5/65	1SBN050020R1001	
	50...90 DC	RT5/90	1SBN050020R1002	
	77...150 DC	RT5/150	1SBN050020R1003 ■	
	150...264 DC	RT5/264	1SBN050020R1004	
A9...A110, AL9...AL40, TAL9...TAL40, N/NL AX09...AX150	24...50V AC/DC	RV5/50	1SBN050010R1000	1,200
	50...133V AC/DC	RV5/133	1SBN050010R1001	
	110...250V AC/DC	RV5/250	1SBN050010R1002	
	250...440V AC/DC	RV5/440	1SBN050010R1003	
A9...A40, N AX09...AX40	24...50V AC	RC5-1/50	1SBN050100R1000	1,200
	50...133V AC	RC5-1/133	1SBN050100R1001	
	110...250V AC	RC5-1/250	1SBN050100R1002 ■	
	250...440V AC	RC5-1/440	1SBN050100R1003 ■	
A45...A110 AX50...AX150	24...50V AC	RC5-2/50	1SBN050200R1000	1,200
	50...133V AC	RC5-2/133	1SBN050200R1001	
	110...250V AC	RC5-2/250	1SBN050200R1002 ■	1,660
	250...440V AC	RC5-2/440	1SBN050200R1003 ■	
A145...A185, AX185...AX205	250...440	RC5-3/440	1SBN050300R1003 ■	3,360
EK550...EK1000	48...110V/AC	RC-EH 800/110	SK829007-C	5,080
	220...600V/AC	RC-EH 800/600	SK829007-D	

■ Stock items

Accessories for contactors



VM5-1



VM300

Mechanical interlocks

For contactor types	Description	Type code reference	Ordering code	L.P.(₹)
A9...A40, AL9...AL40 AX09...AX40	Horizontal Mechanical Interlock	VM5-1	1SBN030100R1000 ■	800
A9...A40, AL9...AL40 AX09...AX40	Horizontal Mechanical & Electrical Interlock with 2NC contacts	VE5-1	1SBN030110R1000 ■	1180
A30...A110 AX50...AX115	Horizontal Mechanical & Electrical Interlock with 2NC contacts	VE5-2	1SBN030210R1000 ■	2290
A95...A185, AX185...AX205	Horizontal with 2NC contacts	VM300H	1SFN034700R1000	4780
EK110...EK150	Horizontal Mechanical Interlock	VH145	SK829071-A	6,440
EK175...EK210	Horizontal Mechanical Interlock	VH300	SK829071-B	7,460
AF116...AF146 and AF190. AF205	Horizontal Mechanical Interlock	VM140/190	1SFN034403R1000 ■	4,920
AF190, AF205 and AF265 ... AF370	Horizontal Mechanical Interlock	VM205/265	1SFN035203R1000 ■	4,890
AF116...AF370 AX260...AX370	Horizontal Mechanical Interlock	VM19	1SFN030300R1000	5150

Note: Refer technical catalogue for proper selection.

Mechanical latching units description

For converting standard contactors into latched contactors. The WB75-A block contains a mechanical latching device with electromagnetic impulse unlatching (AC or DC) or manual unlatching.

Ordering details

For contactors	Rated control circuit voltage Uc		Type	Ordering code	L.P.(₹)
	V 50 Hz or DC	V 60 Hz			
N, NL, A9-A75	24	24...28	WB75-A	FPTN372726R1001	8,810
	220...230	220...255	WB75-A	FPTN372726R1006	8,810

For contactors	Rated control circuit voltage Uc	Time ranges	Delay type	Auxiliary contacts	Type	Ordering code	L.P.(₹)
Electronic timers							
Separate mounting	24-240 V AC 24-48 V DC	0.05s - 100 h	ON-delay	1C/O	CT-ERC.12	1SVR508100R0000	3,200
			ON-delay	2C/O	CT-ERC.22	1SVR508100R0100	6,330
			OFF-delay	1C/O	CT-AHC.12	1SVR508110R0000	3,740
			OFF-delay	2C/O	CT-AHC.22	1SVR508110R0100	6,770



MCB SB200 M

C characteristic



SB201 M C 16

SB200 M C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

Applications: residential and commercial.

Standard: IS/IEC 60898-1

Icn=10 kA

SB201 M C

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
1P	0.5	SB201 M-C0.5	1SYS271012R0984	12	700
	1	SB201 M-C1	1SYS271012R0014	12	700
	1.6	SB201 M-C1.6	1SYS271012R0974	12	700
	2	SB201 M-C2	1SYS271012R0024	12	610
	3	SB201 M-C3	1SYS271012R0034	12	610
	4	SB201 M-C4	1SYS271012R0044	12	610
	6	SB201 M-C6	1SYS271012R0064 ■	12	419
	10	SB201 M-C10	1SYS271012R0104 ■	12	419
	16	SB201 M-C16	1SYS271012R0164 ■	12	419
	20	SB201 M-C20	1SYS271012R0204 ■	12	419
	25	SB201 M-C25	1SYS271012R0254 ■	12	419
	32	SB201 M-C32	1SYS271012R0324 ■	12	419
	40	SB201 M-C40	1SYS271012R0404	12	820
	50	SB201 M-C50	1SYS271012R0504	12	820
	63	SB201 M-C63	1SYS271012R0634	12	820

SB201 M C NA

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
1P+N	0.5	SB201 M-C0.5 NA	1SYS271112R0984	6	2,100
	1	SB201 M-C1 NA	1SYS271112R0014	6	2,100
	1.6	SB201 M-C1.6 NA	1SYS271112R0974	6	2,100
	2	SB201 M-C2 NA	1SYS271112R0024	6	1,840
	3	SB201 M-C3 NA	1SYS271112R0034	6	1,840
	4	SB201 M-C4 NA	1SYS271112R0044	6	1,840
	6	SB201 M-C6 NA	1SYS271112R0064 ■	6	1,270
	10	SB201 M-C10 NA	1SYS271112R0104 ■	6	1,270
	16	SB201 M-C16 NA	1SYS271112R0164 ■	6	1,270
	20	SB201 M-C20 NA	1SYS271112R0204 ■	6	1,270
	25	SB201 M-C25 NA	1SYS271112R0254 ■	6	1,270
	32	SB201 M-C32 NA	1SYS271112R0324 ■	6	1,270
	40	SB201 M-C40 NA	1SYS271112R0404 ■	6	2,070
	50	SB201 M-C50 NA	1SYS271112R0504 ■	6	2,070
	63	SB201 M-C63 NA	1SYS271112R0634 ■	6	2,070

■ Stock items

MCB SB200 M

C characteristic



SB202 M C 16

SB202 M C

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
2P	0.5	SB202 M-C0.5	1SYS272012R0984	6	1,950
	1	SB202 M-C1	1SYS272012R0014	6	1,950
	1.6	SB202 M-C1.6	1SYS272012R0974	6	1,950
	2	SB202 M-C2	1SYS272012R0024	6	1,790
	3	SB202 M-C3	1SYS272012R0034	6	1,790
	4	SB202 M-C4	1SYS272012R0044	6	1,790
	6	SB202 M-C6	1SYS272012R0064 ■	6	1,260
	10	SB202 M-C10	1SYS272012R0104 ■	6	1,260
	16	SB202 M-C16	1SYS272012R0164 ■	6	1,260
	20	SB202 M-C20	1SYS272012R0204 ■	6	1,260
	25	SB202 M-C25	1SYS272012R0254 ■	6	1,260
	32	SB202 M-C32	1SYS272012R0324 ■	6	1,260
	40	SB202 M-C40	1SYS272012R0404 ■	6	2,020
	50	SB202 M-C50	1SYS272012R0504 ■	6	2,020
	63	SB202 M-C63	1SYS272012R0634 ■	6	2,020

SB203 M C

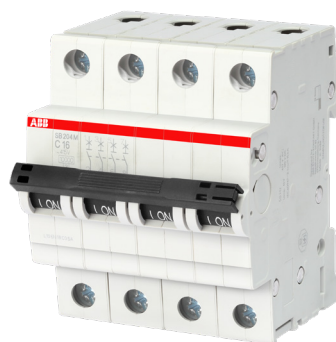
Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
3P	0.5	SB203 M-C0.5	1SYS273012R0984	4	3,010
	1	SB203 M-C1	1SYS273012R0014	4	3,010
	1.6	SB203 M-C1.6	1SYS273012R0974	4	3,010
	2	SB203 M-C2	1SYS273012R0024	4	2,750
	3	SB203 M-C3	1SYS273012R0034	4	2,750
	4	SB203 M-C4	1SYS273012R0044	4	2,750
	6	SB203 M-C6	1SYS273012R0064 ■	4	2,070
	10	SB203 M-C10	1SYS273012R0104 ■	4	2,070
	16	SB203 M-C16	1SYS273012R0164 ■	4	2,070
	20	SB203 M-C20	1SYS273012R0204 ■	4	2,070
	25	SB203 M-C25	1SYS273012R0254 ■	4	2,070
	32	SB203 M-C32	1SYS273012R0324 ■	4	2,070
	40	SB203 M-C40	1SYS273012R0404 ■	4	3,160
	50	SB203 M-C50	1SYS273012R0504 ■	4	3,160
	63	SB203 M-C63	1SYS273012R0634 ■	4	3,160

MCB SB200 M

C characteristic

SB203M C NA

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
3P+N	0.5	SB203 M-C0.5 NA	1SYS273112R0984	3	4,450
	1	SB203 M-C1 NA	1SYS273112R0014	3	4,450
	1.6	SB203 M-C1.6 NA	1SYS273112R0974	3	4,450
	2	SB203 M-C2 NA	1SYS273112R0024	3	3,910
	3	SB203 M-C3 NA	1SYS273112R0034	3	3,910
	4	SB203 M-C4 NA	1SYS273112R0044	3	3,910
	6	SB203 M-C6 NA	1SYS273112R0064 ■	3	2,810
	10	SB203 M-C10 NA	1SYS273112R0104 ■	3	2,810
	16	SB203 M-C16 NA	1SYS273112R0164 ■	3	2,810
	20	SB203 M-C20 NA	1SYS273112R0204 ■	3	2,810
	25	SB203 M-C25 NA	1SYS273112R0254 ■	3	2,810
	32	SB203 M-C32 NA	1SYS273112R0324 ■	3	2,810
	40	SB203 M-C40 NA	1SYS273112R0404 ■	3	3,970
	50	SB203 M-C50 NA	1SYS273112R0504 ■	3	3,970
	63	SB203 M-C63 NA	1SYS273112R0634 ■	3	3,970



SB204 M C 16

SB204 M C

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
4P	0.5	SB204 M-C0.5	1SYS274012R0984	3	4,220
	1	SB204 M-C1	1SYS274012R0014	3	4,220
	1.6	SB204 M-C1.6	1SYS274012R0974	3	4,220
	2	SB204 M-C2	1SYS274012R0024	3	3,700
	3	SB204 M-C3	1SYS274012R0034	3	3,700
	4	SB204 M-C4	1SYS274012R0044	3	3,700
	6	SB204 M-C6	1SYS274012R0064 ■	3	2,660
	10	SB204 M-C10	1SYS274012R0104 ■	3	2,660
	16	SB204 M-C16	1SYS274012R0164 ■	3	2,660
	20	SB204 M-C20	1SYS274012R0204 ■	3	2,660
	25	SB204 M-C25	1SYS274012R0254 ■	3	2,660
	32	SB204 M-C32	1SYS274012R0324 ■	3	2,660
	40	SB204 M-C40	1SYS274012R0404 ■	3	4,070
	50	SB204 M-C50	1SYS274012R0504 ■	3	4,070
	63	SB204 M-C63	1SYS274012R0634 ■	3	4,070

MCB SB200 M

D characteristic



SB202 M D 16

SB200 M D characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

Applications: residential and commercial.

Standard: IS/IEC 60898-1

Icn=10 kA

SB201 M D

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
1P	0.5	SB201 M-D0,5	1SYS271012R0981	12	810
	1	SB201 M-D1	1SYS271012R0011	12	810
	1.6	SB201 M-D1,6	1SYS271012R0971	12	810
	2	SB201 M-D2	1SYS271012R0021	12	710
	3	SB201 M-D3	1SYS271012R0031	12	710
	4	SB201 M-D4	1SYS271012R0041	12	710
	6	SB201 M-D6	1SYS271012R0061	12	580
	10	SB201 M-D10	1SYS271012R0101	12	580
	16	SB201 M-D16	1SYS271012R0161	12	580
	20	SB201 M-D20	1SYS271012R0201	12	580
	25	SB201 M-D25	1SYS271012R0251	12	580
	32	SB201 M-D32	1SYS271012R0321	12	580
	40	SB201 M-D40	1SYS271012R0401	12	980
	50	SB201 M-D50	1SYS271012R0501	12	980
	63	SB201 M-D63	1SYS271012R0631	12	980

SB202 M D

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
2P	0.5	SB202 M-D0.5	1SYS272012R0981	6	2,310
	1	SB202 M-D1	1SYS272012R0011	6	2,310
	1.6	SB202 M-D1.6	1SYS272012R0971	6	2,310
	2	SB202 M-D2	1SYS272012R0021	6	2,030
	3	SB202 M-D3	1SYS272012R0031	6	2,030
	4	SB202 M-D4	1SYS272012R0041	6	2,030
	6	SB202 M-D6	1SYS272012R0061	6	1,450
	10	SB202 M-D10	1SYS272012R0101	6	1,450
	16	SB202 M-D16	1SYS272012R0161	6	1,450
	20	SB202 M-D20	1SYS272012R0201	6	1,450
	25	SB202 M-D25	1SYS272012R0251	6	1,450
	32	SB202 M-D32	1SYS272012R0321	6	1,450
	40	SB202 M-D40	1SYS272012R0401	6	2,380
	50	SB202 M-D50	1SYS272012R0501	6	2,380
	63	SB202 M-D63	1SYS272012R0631	6	2,380

MCB SB200 M

D characteristic



SB203 M D 16

SB203 M D

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
3P	0.5	SB203 M-D0.5	1SYS273012R0981	4	3,570
	1	SB203 M-D1	1SYS273012R0011	4	3,570
	1.6	SB203 M-D1.6	1SYS273012R0971	4	3,570
	2	SB203 M-D2	1SYS273012R0021	4	3,130
	3	SB203 M-D3	1SYS273012R0031	4	3,130
	4	SB203 M-D4	1SYS273012R0041	4	3,130
	6	SB203 M-D6	1SYS273012R0061	4	2,360
	10	SB203 M-D10	1SYS273012R0101	4	2,360
	16	SB203 M-D16	1SYS273012R0161	4	2,360
	20	SB203 M-D20	1SYS273012R0201	4	2,360
	25	SB203 M-D25	1SYS273012R0251	4	2,360
	32	SB203 M-D32	1SYS273012R0321	4	2,360
	40	SB203 M-D40	1SYS273012R0401	4	3,730
	50	SB203 M-D50	1SYS273012R0501	4	3,730
	63	SB203 M-D63	1SYS273012R0631	4	3,730

SB204 M D

Number of poles	Rated current In A	Order details		Standard pack	Unit MRP (₹)
		Type code	Order code		
4P	0.5	SB204 M-D0.5	1SYS274012R0981	3	3,920
	1	SB204 M-D1	1SYS274012R0011	3	3,920
	1.6	SB204 M-D1.6	1SYS274012R0971	3	3,920
	2	SB204 M-D2	1SYS274012R0021	3	4,120
	3	SB204 M-D3	1SYS274012R0031	3	4,120
	4	SB204 M-D4	1SYS274012R0041	3	4,120
	6	SB204 M-D6	1SYS274012R0061	3	3,280
	10	SB204 M-D10	1SYS274012R0101	3	3,280
	16	SB204 M-D16	1SYS274012R0161	3	3,280
	20	SB204 M-D20	1SYS274012R0201	3	3,280
	25	SB204 M-D25	1SYS274012R0251	3	3,280
	32	SB204 M-D32	1SYS274012R0321	3	3,280
	40	SB204 M-D40	1SYS274012R0401	3	4,310
	50	SB204 M-D50	1SYS274012R0501	3	4,310
	63	SB204 M-D63	1SYS274012R0631	3	4,310

Pilot devices

Compact range

Order example:

Ex 1: Type CP1-10 ■-10, to order color red replace ■ with R: CP1-10 R-10

Ex 2: Ordering code 1SFA619100R101 □ To order color red replace □ with 1: 1SFA619100R1011 ■

Color codes							
	Red ●	Green ●	Yellow ●	Blue ●	White ○	Black ●	Grey ●
Type ■	R	G	Y	L	W	B	U
Ordering code □	1	2	3	4	5	6	7



Non-illuminated flush Push-button with black plastic bezel

Non-illuminated flush pushbutton				
	Type	Pack size	Ordering code	L.P.(₹)
Momentary				
1 NO	CP1-10 □-10	1 X 10	1SFA619100R101 □	155
2 NO	CP1-10 □-20	1 X 10	1SFA619100R102 □	237
1 NC	CP1-10 □-01	1 X 10	1SFA619100R104 □	155
2 NC	CP1-10 □-02	1 X 10	1SFA619100R105 □	237
1 NO+1 NC	CP1-10 □-11	1 X 10	1SFA619100R107 □	237
Maintained				
1 NO	CP2-10 □-10	1 X 10	1SFA619101R101 □	227
2 NO	CP2-10 □-20	1 X 10	1SFA619101R102 □	258
1 NC	CP2-10 □-01	1 X 10	1SFA619101R104 □	217
2 NC	CP2-10 □-02	1 X 10	1SFA619101R105 □	258
1 NO+1 NC	CP2-10 □-11	1 X 10	1SFA619101R107 □	279



Non-illuminated extended Push-button with black plastic bezel

Non-illuminated extended pushbutton				
	Type	Pack size	Ordering code	L.P.(₹)
Momentary				
1 NO	CP3-10 ■-10	1 X 10	1SFA619102R101 □	176
2 NO	CP3-10 ■-20	1 X 10	1SFA619102R102 □	258
1 NC	CP3-10 ■-01	1 X 10	1SFA619102R104 □	196
2 NC	CP3-10 ■-02	1 X 10	1SFA619102R105 □	258
1 NO+1 NC	CP3-10 ■-11	1 X 10	1SFA619102R107 □	279
Maintained				
1 NO	CP4-10 ■-10	1 X 10	1SFA619103R101 □	227
2 NO	CP4-10 ■-20	1 X 10	1SFA619103R102 □	258
1 NC	CP4-10 ■-01	1 X 10	1SFA619103R104 □	227
2 NC	CP4-10 ■-02	1 X 10	1SFA619103R105 □	268
1 NO+1 NC	CP4-10 ■-11	1 X 10	1SFA619103R107 □	299

Pilot devices

Compact range



Pilot light with integrated LED			
Type	Pack size	Ordering code	L.P.(₹)
6.3V,DC			
CL2-506R	1 X 10	1SFA619403R5061 ■	289
CL2-506G	1 X 10	1SFA619403R5062 ■	
CL2-506iY	1 X 10	1SFA619403R5060 ■	
CL2-506L	1 X 10	1SFA619403R5064 ■	588
CL2-506C	1 X 10	1SFA619403R5068 ■	309
CL2-506A	1 X 10	1SFA619403R5069 ■	279
12V, DC			
CL2-501R	1 X 10	1SFA619403R5011 ■	289
CL2-501G	1 X 10	1SFA619403R5012 ■	
CL2-501iY	1 X 10	1SFA619403R5010 ■	
CL2-501L	1 X 10	1SFA619403R5014 ■	588
CL2-501C	1 X 10	1SFA619403R5018 ■	299
CL2-501A	1 X 10	1SFA619403R5019 ■	279
24VAC/DC			
CL2-502R	1 X 10	1SFA619403R5021	268
CL2-502G	1 X 10	1SFA619403R5022	
CL2-502iY	1 X 10	1SFA619403R5020	
CL2-502L	1 X 10	1SFA619403R5024	351
CL2-502C	1 X 10	1SFA619403R5028	268
CL2-502A	1 X 10	1SFA619403R5029	
48-60 VAC/ DC			
CL2-507R	1 X 10	1SFA619403R5071	258
CL2-507G	1 X 10	1SFA619403R5072	
CL2-507iY	1 X 10	1SFA619403R5070	
CL2-507L	1 X 10	1SFA619403R5074	485
CL2-507C	1 X 10	1SFA619403R5078	258
CL2-507A	1 X 10	1SFA619403R5079	
110-130 V, AC			
CL2-513R	1 X 10	1SFA619403R5131	289
CL2-513G	1 X 10	1SFA619403R5132	
CL2-513iY	1 X 10	1SFA619403R5130	
CL2-513L	1 X 10	1SFA619403R5134	567
CL2-513C	1 X 10	1SFA619403R5138	289
CL2-513A	1 X 10	1SFA619403R5139	

Pilot light with integrated LED			
Type	Pack size	Ordering code	L.P.(₹)
110-130 V, DC			
CL2-515R	1 X 10	1SFA619403R5151	289
CL2-515G	1 X 10	1SFA619403R5152	
CL2-515iY	1 X 10	1SFA619403R5150	
CL2-515L	1 X 10	1SFA619403R5154	546
CL2-515C	1 X 10	1SFA619403R5158	289
CL2-515A	1 X 10	1SFA619403R5159	
220 V, DC			
CL2-520R	1 X 10	1SFA619403R5201	289
CL2-520G	1 X 10	1SFA619403R5202	
CL2-520iY	1 X 10	1SFA619403R5200	
CL2-520L	1 X 10	1SFA619403R5204	546
CL2-520C	1 X 10	1SFA619403R5208	289
CL2-520A	1 X 10	1SFA619403R5209	
230 V, AC			
CL2-523R	1 X 10	1SFA619403R5231	289
CL2-523G	1 X 10	1SFA619403R5232	
CL2-523iY	1 X 10	1SFA619403R5230	
CL2-523L	1 X 10	1SFA619403R5234	588
CL2-523C	1 X 10	1SFA619403R5238	289
CL2-523A	1 X 10	1SFA619403R5239	
380 -415 V, AC			
CL2-542R	1 X 10	1SFA619403R5421	299
CL2-542G	1 X 10	1SFA619403R5422	
CL2-542iY	1 X 10	1SFA619403R5420	
CL2-542L	1 X 10	1SFA619403R5424	588
CL2-542C	1 X 10	1SFA619403R5428	299
CL2-542A	1 X 10	1SFA619403R5429	
Rated voltage 230 V AC with 60 V anti-inductive voltage			
CL2-623R	1 X 10	1SFA619403R6231	330
CL2-623G	1 X 10	1SFA619403R6232	
CL2-623iY	1 X 10	1SFA619403R6230	
CL2-623L	1 X 10	1SFA619403R6234	598
CL2-623C	1 X 10	1SFA619403R6238	330

■ Stock items

Pilot devices

Compact range



Non-illuminated black selector switch with plastic bezel

Selector switch				
	Type	Pack size	Ordering code	L.P. (₹)
Maintained / Two-positions 				
1 NO	C2SS1-10B-10	1 X 10	1SFA619200R1016	392
2 NO	C2SS1-10B-20	1 X 10	1SFA619200R1026	423
1 NC	C2SS1-10B-01	1 X 10	1SFA619200R1046	392
2 NC	C2SS1-10B-02	1 X 10	1SFA619200R1056	440
1 NO+1 NC	C2SS1-10B-11	1 X 10	1SFA619200R1076	
Maintained / Two-positions 				
1 NO	C2SS2-10B-10	1 X 10	1SFA619201R1016	392
2 NO	C2SS2-10B-20	1 X 10	1SFA619201R1026	423
1 NC	C2SS2-10B-01	1 X 10	1SFA619201R1046	392
2 NC	C2SS2-10B-02	1 X 10	1SFA619201R1056	440
1 NO+1 NC	C2SS2-10B-11	1 X 10	1SFA619201R1076	
Momentary / Two-positions 				
1 NO	C2SS3-10B-10	1 X 10	1SFA619202R1016	371
2 NO	C2SS3-10B-20	1 X 10	1SFA619202R1026	423
1 NC	C2SS3-10B-01	1 X 10	1SFA619202R1046	371
2 NC	C2SS3-10B-02	1 X 10	1SFA619202R1056	433
1 NO+1 NC	C2SS3-10B-11	1 X 10	1SFA619202R1076	
Maintained / Three-positions 				
2 NO	C3SS1-10B-20	1 X 10	1SFA619210R1026	433
2 NC	C3SS1-10B-02	1 X 10	1SFA619210R1056	
1 NO+1 NC	C3SS1-10B-11	1 X 10	1SFA619210R1076	
Momentary / Three-positions 				
2 NO	C3SS2-10B-20	1 X 10	1SFA619211R1026	433
2 NC	C3SS2-10B-02	1 X 10	1SFA619211R1056	
1 NO+1 NC	C3SS2-10B-11	1 X 10	1SFA619211R1076	
Momentary / Three-positions 				
2 NO	C3SS3-10B-20	1 X 10	1SFA619212R1026	433
2 NC	C3SS3-10B-02	1 X 10	1SFA619212R1056	
1 NO+1 NC	C3SS3-10B-11		1SFA619212R1076	



Non-illuminated emergency stop pushbutton, 30 mm



Non-illuminated emergency stop pushbutton, 40 mm

Emergency stop pushbutton				
Description	Type	Pack size	Ordering code	L.P.(₹)
Twist release				
1 NC Ø 30 mm	CE3T-10R-01	1	1SFA619500R1041 ■	279
2 NC Ø 30 mm	CE3T-10R-02	1	1SFA619500R1051	361
1NO+1NC Ø 30 mm	CE3T-10R-11	1	1SFA619500R1071	340
Pull release				
2 NC Ø 30 mm	CE3P-10R-02	1	1SFA619501R1051	340
1NO+1NC Ø 30 mm	CE3P-10R-11	1	1SFA619501R1071	412
Key release: Ronis 455, key code 71				
2 NC Ø 30 mm	CE3K1-10R-02	1	1SFA619502R1051	1,080
1NO+1NC Ø 30 mm	CE3K1-10R-11	1	1SFA619502R1071	
Twist release				
1 NC Ø 40 mm	CE4T-10R-01	1	1SFA619550R1041 ■	289
2 NC Ø 40 mm	CE4T-10R-02	1	1SFA619550R1051 ■	382
1NO+1NC Ø 40 mm	CE4T-10R-11	1	1SFA619550R1071 ■	
Pull release				
2 NC Ø 40 mm	CE4P-10R-02	1	1SFA619551R1051 ■	382
1NO+1NC Ø 40 mm	CE4P-10R-11	1	1SFA619551R1071	
Key release: Ronis 455, key code 71				
2 NC Ø 40 mm	CE4K1-10R-02	1	1SFA619552R1051	1,144
1NO+1NC Ø 40 mm	CE4K1-10R-11	1	1SFA619552R1071	

Pilot devices

Compact range



Non-illuminated machine stop pushbutton, pull release, 30 mm



Non-illuminated machine stop pushbutton, push release, 30 mm



Machine stop					
Description	Type	Pack size	Ordering code	L.P.(₹)	
•	Twist release				
1NO+1NC Ø 30 mm	CE3T-10B-11	1	1SFA619500R1076	354	
	Pull release				
1NO+1NC Ø 30 mm	CE3P-10B-11	1	1SFA619501R1076	812	
	Key release: Ronis 455, Key code 71				
1NO+1NC Ø 30 mm	CE3K1-10B-11	1	1SFA619502R1076	1,134	
	Twist release				
1NO+1NC Ø 40 mm	CE4T-10B-11	1	1SFA619550R1076	354	
	Pull release				
1NO+1NC Ø 40 mm	CE4P-10B-11	1	1SFA619551R1076	812	
	Key release: Ronis 455, Key code 71				
1NO+1NC Ø 40 mm	CE4K1-10B-11	1	1SFA619552R1076	1,134	

Buzzer						
Description	Sound output	Rated current mA	Type	Pack size	Ordering code	L.P.(₹)
Rated voltage 24 V, AC/DC						
● Black	Continuous	40	CB1-620B	1	1SFA619600R6206	1,607
● Black	Pulsation	48	CB1-630B	1	1SFA619600R6306	
Rated voltage 230 V, AC						
● Black	Continuous	40	CB1-623B	1	1SFA619600R6236	1,607
● Black	Pulsation	40	CB1-633B	1	1SFA619600R6336	
Rated voltage 110-130 V, DC						
● Black	Continuous	15	CB1-622B	1	1SFA619600R6226	1,607
● Black	Pulsation	15	CB1-632B	1	1SFA619600R6326	
Rated voltage 110-130 V, AC						
● Black	Continuous	40	CB1-621B	1	1SFA619600R6216	1,607
● Black	Pulsation	45	CB1-631B	1	1SFA619600R6316	



Assembled compact emergency stop enclosures				
Description	Type	Pack size	Ordering code	L.P.(₹)
1-seat plastic enclosure (yellow)				
  Twist release. Red button 2 NC	CEPY1-1001	1	1SFA619821R1001	4,924
  Pull release. Red button 2 NC	CEPY1-1002	1	1SFA619821R1002	
Emergency stop enclosure with shroud				
  Twist release. Red button 2 NC	CEPY1-2002	1	1SFA619821R2002	5,274
  Pull release. Red button 2 NC	CEPY1-2001	1	1SFA619821R2001	
1-seat plastic enclosure with black mushroom pushbutton (dark grey)				
  Twist release. Black button 1 NO + 1 NC	CEP1-1001	1	1SFA619811R1001	3,976
  Pull release. Black button 1 NO + 1 NC	CEP1-1002	1	1SFA619811R1002	2,225
Machine stop enclosure with shroud				
  Twist release. Black button 1 NO + 1 NC	CEP1-2001	1	1SFA619811R2001	4,368
  Pull release. Black button 1 NO + 1 NC	CEP1-2002	1	1SFA619811R2002	2,606

■ Stock items

Softstarters



PSR - The compact range

- Rated operational current: 3...105 A
- Operational voltage: 208...600 V AC
- Wide rated control supply voltage: 100...240 V AC, 50/60 Hz or 24 V AC/DC
- Two-phase controlled
- Soft start and soft stop with voltage ramp
- Built-in bypass for energy saving and easy installation
- Fieldbus communication with fieldbus plug adapter and the fieldbus plug

PSR3 ... PSR105

Rated operational voltage U_e , 208-600 V AC
Rated control supply voltage, U_s , 100 - 240 V AC



415V Pe kW	IEC Max rated operational I_e A	Type	Order code	L.P. (₹)
1.5	3.9	PSR3-600-70	1SFA896103R7000	18,520
3	6.8	PSR6-600-70	1SFA896104R7000	21,160
4	9	PSR9-600-70	1SFA896105R7000	24,070
5.5	12	PSR12-600-70	1SFA896106R7000	28,570
7.5	16	PSR16-600-70	1SFA896107R7000	34,920
11	25	PSR25-600-70	1SFA896108R7000	38,570
15	30	PSR30-600-70	1SFA896109R7000	50,310
18.5	37	PSR37-600-70	1SFA896110R7000	63,230
22	45	PSR45-600-70	1SFA896111R7000	69,260
30	60	PSR60-600-70	1SFA896112R7000	91,820
37	72	PSR72-600-70	1SFA896113R7000	1,14,050
45	85	PSR85-600-70	1SFA896114R7000	1,28,740
55	105	PSR105-600-70	1SFA896115R7000	1,40,390

For rated control supply voltage, U_s , 24 V Dc replace R7000 by R1100



PSE - The efficient range

- Rated operational current: 18...370 A
- Operational voltage: 208...600 V AC
- Wide rated control supply voltage: 100...250 V AC, 50/60 Hz
- Voltage ramp and torque control for both start and stop
- Two-phase controlled, Current limit and Kick-start
- Built-in bypass for energy saving and easy installation
- External keypad rated IP66 (Type 1, 4X,12) as an option
- **NEW** Built-in Modbus-RTU communication for monitoring and control
- Fieldbus communication with fieldbus plug adapter and the fieldbus plug
- Analog output for display of motor current
- Electronic overload, underload and locked rotor protection

PSE18 ... PSE370

Normal starts, Class 10, In-Line

Rated operational voltage U_e , 208-600 V AC
Rated control supply voltage, U_s , 100 - 240 V AC

415V Pe kW	IEC Max rated operational I_e A	Type	Order code	L.P. (₹)
7.5	18	PSE18-600-70	1SFA897101R7000	81,360
11	25	PSE25-600-70	1SFA897102R7000	82,560
15	30	PSE30-600-70	1SFA897103R7000	87,610
18.5	37	PSE37-600-70	1SFA897104R7000	97,320
22	45	PSE45-600-70	1SFA897105R7000	1,00,500
30	60	PSE60-600-70	1SFA897106R7000	1,16,480
37	72	PSE72-600-70	1SFA897107R7000	1,27,130
45	85	PSE85-600-70	1SFA897108R7000	1,42,630
55	106	PSE105-600-70	1SFA897109R7000	1,61,630
75	143	PSE142-600-70	1SFA897110R7000	1,89,460
90	171	PSE170-600-70	1SFA897111R7000	2,29,570
110	210	PSE210-600-70-1	1SFA897112R7001	2,83,610
132	250	PSE250-600-70-1	1SFA897113R7001	3,43,370
160	300	PSE300-600-70-1	1SFA897114R7001	3,86,810
200	370	PSE370-600-70-1	1SFA897115R7001	4,22,360

For accessories consult