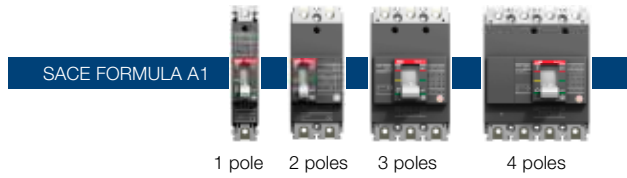


FORMULA moulded case circuit breaker

New low voltage moulded case circuit breakers up to 630A

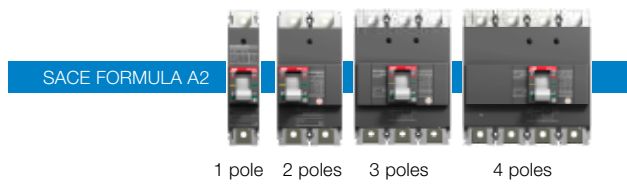
General characteristics

- Conforms to IEC 60947-2
- Fixed thermal magnetic release throughout the range
- Compact dimensions
- Common range of accessories
- Available in 1P, 2P, 3P & 4 pole versions
- Line-load reversibility
- Suitable for DC application till 250Vdc
- Operation voltage till 550VAC, insulation voltage of 690VAC and impulse voltage of 6KV



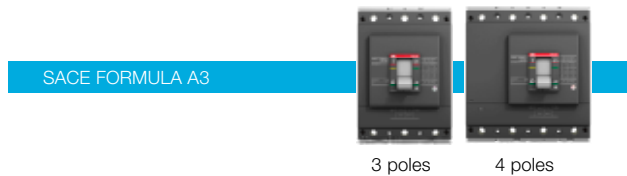
FORMULA A1

- Rated current, In 15...125A
- 1, 2, 3, 4 pole versions
- Icu = 10, 18, 25, 36KA



FORMULA A2

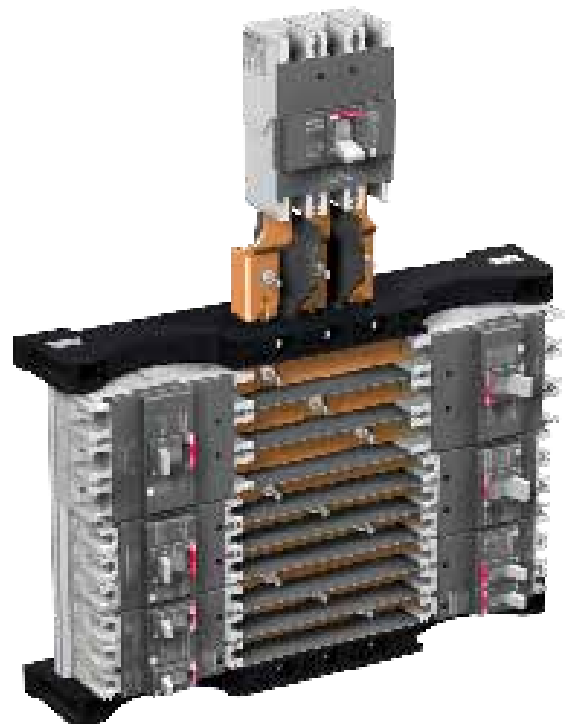
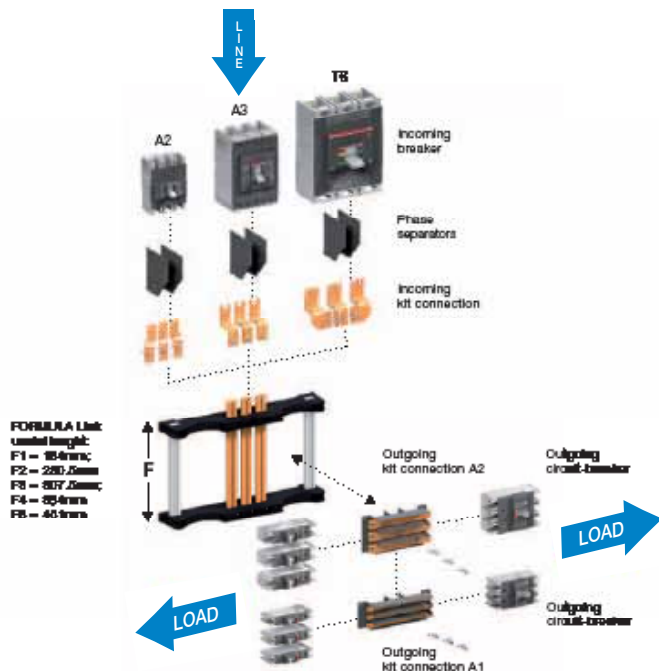
- Rated current, In 125...250A
- 1, 2, 3, 4 pole versions
- Icu = 18, 25, 36KA



FORMULA A3

- Rated current, In 320...630A
- 3, 4 pole versions
- Icu = 36, 50KA

FORMULA link system



FORMULA moulded case circuit breakers

- FORMULA link in accordance with IEC 60439 Standard
- FORMULA link is a component of a power distribution system which divides the main power supply over different users
- The FORMULA link is characterised on the supply side by a main circuit-breaker which protects the whole distribution system, and on the load side by smaller sized circuit-breakers, dedicated to the individual users
- FORMULA link assembly for total discrimination between upstream and downstream devices

FORMULA link - Electrical characteristics

FORMULA link frame	[A]	250	400	630/800
Incoming breaker		A2	A3	T6
Outgoing breaker		A1	A1-A2	A1-A2
Rated operational voltage 50/60 Hz	[V]	550AC	550AC	550AC
Rated insulation voltage	[V]	690AC	690AC	690AC
Rated short time withstand current (1s)	[KA]	30	40	40



Fixed thermal and fixed magnetic MCCB

A1 125

TMF

In(A)	Poles	Ordering Code	M.R.P.(₹)	Ordering Code	M.R.P.(₹)	Ordering Code	M.R.P.(₹)	Ordering Code	M.R.P.(₹)
		A1A 125 Icu = 10KA, Ics = 50%(Icu)		A1B 125 Icu = 18KA, Ics = 50%(Icu)		A1C 125 Icu = 25KA, Ics = 50%(Icu)		A1N 125 Icu = 36KA, Ics = 50%(Icu)	
16	3	1SDA068746R1		1SDA068747R1		1SDA068748R1		1SDA068749R1	
25		1SDA066512R1		1SDA066699R1		1SDA066711R1		1SDA066723R1	
32		1SDA068757R1 ■		1SDA068758R1 ■		1SDA068759R1 ■		1SDA068760R1 ■	
40		1SDA066514R1		1SDA066701R1		1SDA066713R1		1SDA066725R1	
50		1SDA066515R1 ■		1SDA066702R1		1SDA066714R1		1SDA066726R1	
63		1SDA068768R1 ■		1SDA068769R1 ■		1SDA068770R1 ■		1SDA068771R1 ■	
80		1SDA066518R1 ■		1SDA066705R1 ■		1SDA066717R1		1SDA066729R1	
100	4	1SDA066520R1 ■		1SDA066707R1 ■		1SDA066719R1 ■		1SDA066731R1 ■	
125		1SDA066521R1 ■		1SDA066708R1 ■		1SDA066720R1 ■		1SDA066732R1 ■	
16		1SDA068750R1		1SDA068751R1		1SDA068752R1		1SDA068753R1	
25		1SDA066526R1		1SDA066735R1		1SDA066747R1		1SDA066759R1	
32		1SDA068761R1 ■		1SDA068762R1		1SDA068763R1		1SDA068764R1	
40		1SDA066528R1		1SDA066737R1		1SDA066749R1		1SDA066761R1	
50		1SDA066529R1		1SDA066738R1		1SDA066750R1		1SDA066762R1	
63	1SDA068772R1 ■		1SDA068773R1 ■		1SDA068774R1 ■		1SDA068775R1 ■		
80	1SDA066532R1		1SDA066741R1		1SDA066753R1		1SDA066765R1		
100	1SDA066534R1 ■		1SDA066743R1 ■		1SDA066755R1 ■		1SDA066767R1 ■		
125	1SDA066535R1		1SDA066744R1		1SDA066756R1		1SDA066768R1		

■ Stock items

FORMULA moulded case circuit breakers

A2 250

TMF

In(A)	Poles
160	3
200	
250	
160	4
200	
250	

A2B 250

Icu = 18KA, Ics = 50%(Icu)

Ordering Code	M.R.P. (₹)
1SDA066549R1 ■	
1SDA066551R1 ■	
1SDA066553R1 ■	
1SDA066555R1	
1SDA066557R1 ■	
1SDA066559R1 ■	

A2C 250

Icu = 25KA, Ics = 50%(Icu)

Ordering Code	M.R.P. (₹)
1SDA066776R1 ■	
1SDA066778R1 ■	
1SDA066780R1 ■	
1SDA066788R1	
1SDA066790R1 ■	
1SDA066792R1 ■	

A2N 250

Icu = 36KA, Ics = 50%(Icu)

Ordering Code	M.R.P. (₹)
1SDA066782R1 ■	
1SDA066784R1 ■	
1SDA066786R1 ■	
1SDA066794R1	
1SDA066796R1 ■	
1SDA066798R1 ■	

A3 400

TMF

In(A)	Poles
320	3
400	
320	4
400	

A3N 400

Icu = 36KA, Ics = 50%(Icu)

Ordering Code	M.R.P. (₹)
1SDA066560R1	
1SDA066561R1	
1SDA066568R1	
1SDA066569R1	

A3S 400

Icu = 50KA, Ics = 50%(Icu)

Ordering Code	M.R.P. (₹)
1SDA066562R1	
1SDA066563R1	
1SDA066570R1	
1SDA066571R1	

A3 630

TMF

In(A)	Poles
500	3
630	
500	4
630	

A3N 630

Icu = 36KA, Ics = 50%(Icu)

Ordering Code	M.R.P. (₹)
1SDA066564R1	
1SDA066566R1	
1SDA066572R1	
1SDA066574R1	

A3S 630

Icu = 50KA, Ics = 50%(Icu)

Ordering Code	M.R.P. (₹)
1SDA066565R1	
1SDA066567R1	
1SDA066573R1	
1SDA066575R1	

Accessories

Terminals	3P		4P	
Front extended spread terminal - ES	Ordering Code	M.R.P. (₹) 6 pieces	Ordering Code	M.R.P. (₹) 8 pieces
A1	1SYN450221R0001		1SYN450222R0001	
A2		Upon request		Upon request

Rotary handle		A1-A2	
Description	Ordering code	M.R.P. (₹)	
RHD - Operating mechanism direct handle	1SDA066154R1		
RHE - Operating mechanism transmitted handle	1SDA066158R1		

Shunt opening release – SOR-C Cabled version		A1-A2	
Description	Ordering code	M.R.P. (₹)	
SOR-C 220...240 VAC - 220...250 VDC	1SDA066137R1		
SOR-C 380...440 VAC	1SDA066138R1		

Auxiliary contacts – AUX-C Cabled version		A1-A2	
Description	Ordering code	M.R.P. (₹)	
AUX-C 1Q + 1SY 250 VAC/DC	1SDA66149R1		

Undervoltage release – UVR-C Cabled version		A1-A2	
Description	Ordering code	M.R.P. (₹)	
UVR-C 220...240 VAC - 220...250 VDC	1SDA066146R1		
UVR-C 380...440 VAC	1SDA066147R1		

■ Stock items