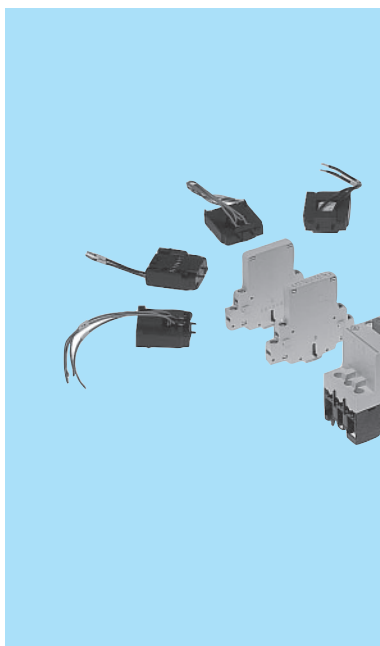




Motor protection circuit breaker

- For thermal and magnetic protection of AC and DC motors
- Conformity to standards IEC 947-2, IEC 947-4-1 and VDE 0660
- Manual push-button operation
- Setting ranges from 0.1 to 25A at 690V AC and 220V DC
- Short-circuit capacity of 65kA up to setting range of 1.6-2.5A/400V

Standards

IEC 947-2
IEC 947-4-1
VDE 0660

Approvals



UL



cULus



CE

- Trip class 10
- Instant magnetic tripping (12 times the maximum operating current I_e)
- Single phase protection
- Ambient temperature compensation between -5°C and $+40^\circ\text{C}$
- Internal and external accessories easy to mount
- Quick fixing on DIN rail EN 50022-35 and, with two screws, on plate or wall
- Terminals protected against accidental contacts (IP20)
- Suitable for isolation ($\swarrow \times$) and positive padlocking in open position (IEC 947-1 § 7-1-6)

Motor protection circuit breakers



3-phase motor AC3 380/415V kW	Magnetical tripping current A	Thermal tripping current (setting range)		Cat. no.	Ref. no.	Pack
		Min. A	Max. A			
0.02	1.9	0.1	0.16	SFK0A	120001	1/5
0.06	3.0	0.16	0.25	SFK0B	120002	1/5
0.06 / 0.09	4.8	0.25	0.4	SFK0C	120003	1/5
0.12 / 0.18	7.5	0.4	0.63	SFK0D	120004	1/5
0.25	12	0.63	1	SFK0E	120005	1/5
0.37 / 0.55	19	1	1.6	SFK0F	120006	1/5
0.75	30	1.6	2.5	SFK0G	120007	1/5
1.1 / 1.5	48	2.5	4	SFK0H	120008	5
2.2	75	4	6.3	SFK0I	120009	5
3.7 / 4.0	120	6.3	10	SFK0J	120010	5
5.5 / 7.5	190	10	16	SFK0K	120011	5
9.0	240	16	20	SFK0L	120012	1/5
11 / 12.5	300	20	25	SFK0M	120013	1/5

Circuit breaker to protect transformers on request

Auxiliary contact blocks



Side mounting

		1NO	1NC	SFAL11N	120020	5
		2NO		SFAL20N	120021	5
		1NO	1NC	SFAL11D	120022	5
		(advanced on closing)				
		2NO		SFAL20D	120023	5
		(advanced on closing)				
For lower energy levels (≥ 4V, ≥ 4mA)	1change-over			SFAL11S	120027	1
	PE + N conductor			SFALPEN	264826	1

Internal mounting

		1NO	1NC	SFAI11	120024	5
Switch trip indicator-alarm		1NO		SFAK10	120025	5
		1NC		SFAK01	120026	5



Coils for internal mounting

				Cat. no.	Ref. no.	Pack
	Minimum power	Functioning range: $0.35U_e < U < 0.7U_e$				
		Manual reset				
		Dissipated power 2.2VA / 1W				
		110V / 50Hz	120V / 60Hz	SFB0RJ	120034	5
		220V / 50Hz	240V / 60Hz	SFB0RN	120035	5
		380V / 50Hz	440V / 60Hz	SFB0RU	120036	5
	Undervoltage release special for machinery	According to IEC204-1, DIN VDE 0113, INRS Art. L233-5				
		A combination of a special undervoltage release and auxiliary contact block SFAL20D				
		110V / 50Hz	120V / 60Hz	SFB0RJM	107256	1
		220V / 50Hz	240V / 60Hz	SFB0RNM	120114	1
		380V / 50Hz	440V / 60Hz	SFB0RUM	120115	1
	Shunt trip	Functioning range: $0.7U_e < U < 1.2U_e$				
		Manual reset				
		110V / 50Hz	120V / 60Hz	SFB0AJ	120030	5
		220V / 50Hz	240V / 60Hz	SFB0AN	120031	5
		380V / 50Hz	440V / 60Hz	SFB0AU	120032	5

Current limiter

				Cat. no.	Ref. no.	Pack
	Current limiter	Combined with SFK.				
		Upgrades breaking capacity to 50kA/3~400V				
		Not available UL, CSA.				
		In = 32A		SFVH03	120050	1

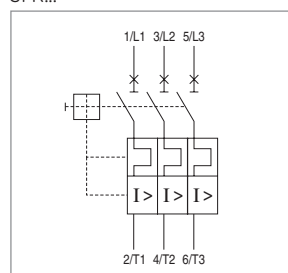
Accessories for enclosures (continued)

				Cat. no.	Ref. no.	Pack
Three phase busbar block	4 units	Ui 690V / Ie 63A	L = 207mm	GPB104A	101392	2
	5 units	Ui 690V / Ie 63A	L = 261mm	GPB105A	101393	2
	Plastic cover for 3 unused terminals			GPB1GA	101408	2
Supply block	Ie = 63A Fully insulated			SFVB8	254537	5

Terminal numbering

Motor protection circuit breaker

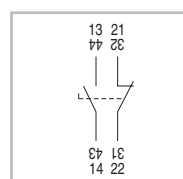
SFK...



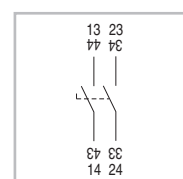
Auxiliary contact blocks

Side mounting

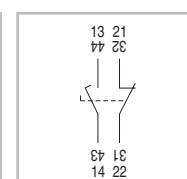
SFAL11N



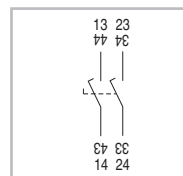
SFAL20N



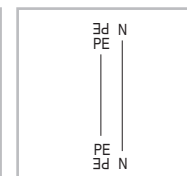
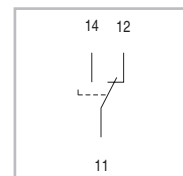
SFAL11D



SFAL20D

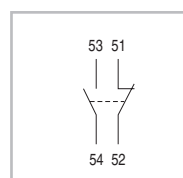


SFAL11S

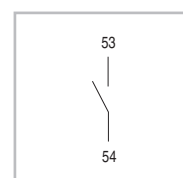


Internal mounting

SFAI11



SFAK10



SFAK01

