Accessories for Ex9S32A and Ex9S80A

- **Accessories for motor protective circuit breakers Ex9S32A and Ex9S80A**
- **Front-mounted auxiliary contacts AX51**
- **Side-mounted auxiliary contacts AX52**
- **Side-mounted alarm contact AL5111**
- **Shunt trip release SHT51**
- **Undervoltage release UVT51**
- **Terminal adapters CC5**
- **Adapter holder DRA51**

Ex9S32A and Ex9S80A motor protective circuit breakers can be equipped with various types of additional accessories. All the accessories are designed in the way to be possible to combine different types with one device. There can be used up to three auxiliary or alarm contact units plus one voltage release.

Auxiliary contact units are available with three posible contact combinations. Auxiliary and alarm contact units to be mounted from the left to the device. Release units are mounted from the right side. Installation of an auxiliary or alarm contact units does not affect the possibility of installing voltage release.

Type Key

AX51	AX52	AL51	SHT51	UVT51	CC5	DRA51
Auxiliary contact	Auxiliary contact	Alarm contact	Shunt trip release	Undervoltage release	Terminal adapter	Adapter holder
Front mounted unit	Side mounted unit	Side mounted unit	Side mounted unit	Side mounted unit	ExCS06,09,12 ExC09, 12,18 ExC25, 32,38	For terminal adapters CC5

Accessories for Ex9S32A and Ex9S80A

Auxiliary contacts for Ex9S32A and Ex9S80A, front-mounted

Contacts	Suitable for	Article No.	Type	Packing
1 NO + 1 NC	Ex9S32A/Ex9S80A	108143	AX51 11	10/720
2 NO	Ex9S32A/Ex9S80A	108144	AX51 20	10/720

Auxiliary contacts for Ex9S32A and Ex9S80A, side-mounted

Contacts	Suitable for	Article No.	Type	Packing
1 NO + 1 NC	Ex9S32A/Ex9S80A	108145	AX52 11	2/192
2 NO	Ex9S32A/Ex9S80A	108146	AX52 20	2/192
2 NC	Ex9S32A/Ex9S80A	108147	AX52 02	2/192

Alarm contact for Ex9S32A and Ex9S80A, side-mounted

Contacts	Suitable for	Article No.	Type	Packing
1 NO + 1 NC	Ex9S32A/Ex9S80A	108154	AL5111	1/96

Shunt trip releases for Ex9S32A and Ex9S80A, side-mounted

AC oper. voltage	Suitable for	Article No.	Type	Packing
110 – 115 V AC	Ex9S32A/Ex9S80A	108151	SHT51F	1/96
220 – 240 V AC	Ex9S32A/Ex9S80A	108152	SHT51G	1/96
380 – 400 V AC	Ex9S32A/Ex9S80A	108153	SHT51H	1/96

Accessories for Ex9S32A and Ex9S80A

Undervoltage releases for Ex9S32A and Ex9S80A, side-mounted

AC oper. voltage	Suitable for	Article No.	Type	Packing
110 – 115 V AC	Ex9S32A/Ex9S80A	108148	UVT51I	1/96
220 – 240 V AC	Ex9S32A/Ex9S80A	108149	UVT51J	1/96
380 – 400 V AC	Ex9S32A/Ex9S80A	108150	UVT51K	1/96

Terminal adapters for Ex9S32A and Ex9S80A

For contactors size	Suitable for	Article No.	Type	Packing
Ex9CS06, 09,12	Ex9S32A/Ex9S80A	108155	CC51	6/240
Ex9C09, 12, 18	Ex9S32A/Ex9S80A	109077	CC52	3/120
Ex9C25, 32, 38	Ex9S32A/Ex9S80A	109078	CC53	3/60

Adapter holder for Ex9S32A and Ex9S80A

For terminal adapters	Suitable for	Article No.	Type	Packing
CC51, CC52, CC53	Ex9S32A/Ex9S80A	109079	DRA51	16/96

Technical Data Ex9S32A and Ex9S80A accs.

Accessories for motor protective circuit breakers Ex9S32A and Ex9S80A line

Front-mounted auxiliary contact unit AX51

General parameters

For subsequent mounting
Front-mounted version
1 unit can be used with a motor protective circuit breaker

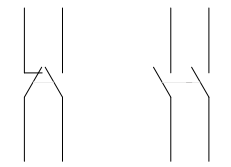
Electrical parameters

	AX51 11	AX51 20
Contacts	1 NO + 1 NC	2 NO
Tested according to	IEC/EN 60947-5-1	
Rated operating voltage U_e	240 V AC, 60 V DC	
Rated frequency	50/60 Hz	
Rated thermal current I_{th}	2.5 A	
Rated op. current I_e, ut. cat. AC-15	0.5 A at 240 V	
Rated op. current I_e, ut. cat. DC-13	0.15 A at 60 V	
Rated impulse withstand voltage U_{imp}	2.5 kV	
Rated insulation voltage U_i	250 V	
Max. back-up fuse	4A gG/gL	

Mechanical parameters

	AX51 11	AX51 20
Device width	45 mm	
Device height	14 mm	
Device depth	32.5 mm	
Mounting	front	
Degree of protection	IP20	
Terminals	lift	
Terminal capacity	1 – 2.5 mm^2	
Fastening torque of terminals	0.8 Nm	

Wiring diagram



AX51 11 AX51 20

Technical Data Ex9S32A and Ex9S80A accs.

Accessories for motor protective circuit breakers Ex9S32A and Ex9S80A line

Side-mounted auxiliary contact unit AX52

General parameters

For subsequent mounting
Side-mounted version, mounting from the left
Up to 2 units can be used with a motor protective circuit breaker

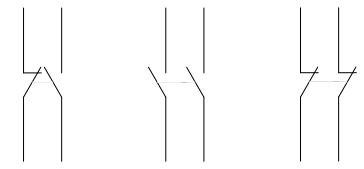
Electrical parameters

	AX52 11	AX52 20	AX52 02
Contacts	1 NO + 1 NC	2 NO	2 NC
Tested according to	IEC/EN 60947-5-1		
Rated operating voltage U_e	240 V AC, 415 V AC, 250 V DC, 400 V DC		
Rated frequency f	50/60 Hz		
Rated thermal current I_{th}	5 A		
Rated op. current I_e, ut. cat. AC-15	1.5 A at 240 V, 1 A at 415 V		
Rated op. current I_e, ut. cat. DC-13	0.2 A at 250 V, 0.1 A at 400 V		
Rated impulse withstand voltage U_{imp}	4 kV		
Rated insulation voltage U_i	690 V		
Max. back-up fuse	6A gG/gL		

Mechanical parameters

	AX52 11	AX52 20	AX52 02
Device width	9.5 mm		
Device height	98 mm		
Device depth	85.5 mm		
Mounting	left side		
Degree of protection	IP20		
Terminals	lift		
Terminal capacity	1 – 2.5 mm^2		
Fastening torque of terminals	0.8 Nm		

Wiring diagram



AX52 11 AX52 20 AX52 02

Technical Data Ex9S32A and Ex9S80A accs.

Accessories for motor protective circuit breakers Ex9S32A and Ex9S80A line

Side-mounted auxiliary unit with status signalization AL5111

General parameters

For subsequent mounting
Side-mounted version
1 unit can be used with a motor protective circuit breaker

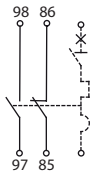
Electrical parameters

	AL5111
Contacts	1 NO + 1 NC
Tested according to	IEC/EN 60947-5-1
Rated operating voltage U_e	240 V AC, 415 V AC, 250 V DC, 400 V DC
Rated frequency	50/60 Hz
Rated thermal current I_{th}	5 A
Rated op. current I_e, ut. cat. AC-15	1.5 A at 240 V, 1 A at 415 V
Rated op. current I_e, ut. cat. DC-13	0.2 A at 250 V, 0.1 A at 400 V
Rated impulse withstand voltage U_{imp}	4 kV
Rated insulation voltage U_i	690 V
Max. back-up fuse	6A gG/gL

Mechanical parameters

	AL5111
Device width	9.5 mm
Device height	98 mm
Device depth	85.5 mm
Mounting	front
Degree of protection	IP20
Terminals	lift
Terminal capacity	1 – 2.5 mm^2
Fastening torque of terminals	0.8 Nm

Wiring diagram



Technical Data Ex9S32A and Ex9S80A accs.

Accessories for motor protective circuit breakers Ex9S32A and Ex9S80A line

Shunt trip releases SHT51

General parameters

For subsequent mounting
Side-mounted version, mounting from the right
1 unit can be used with a motor protective circuit breaker or UVT51 unit

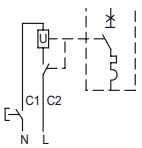
Electrical parameters

	SHT51F	SHT51G	SHT51H
Tested according to	IEC/EN 60947-2		
Rated operating voltage U_e	110 – 115 V AC at 50 Hz 127 V AC at 60 Hz	220 – 240 V AC at 50 Hz	380 – 400 V AC at 50 Hz 440 V AC at 60 Hz
Oper. voltage tripping tolerance	70 – 110 % U_e		
Rated frequency f	50/60 Hz	50 Hz	50/60 Hz
Rated impulse withstand voltage U_{imp}	6 kV		
Rated insulation voltage U_i	690 V		

Mechanical parameters

	SHT51F	SHT51G	SHT51H
Device width	18.5 mm		
Device height	98 mm		
Device depth	85.5 mm		
Mounting	right side		
Degree of protection	IP20		
Terminals	lift		
Terminal capacity	1 – 2.5 mm^2		
Fastening torque of terminals	1.7 Nm		

Wiring diagram



Technical Data Ex9S32A and Ex9S80A accs.

Accessories for motor protective circuit breakers Ex9S32A and Ex9S80A line

Undervoltage releases UVT51

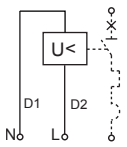
General parameters

For subsequent mounting
Side-mounted version, mounting from the right
1 unit can be used with a motor protective circuit breaker or SHT51 unit

Electrical parameters

	UVT51I	UVT51J	UVT51K
Tested according to	IEC/EN 60947-2		
Rated operating voltage U_e	110 – 115 V AC at 50 Hz 127 V AC at 60 Hz	220 – 240 V AC at 50 Hz	380 – 400 V AC at 50 Hz 440 V AC at 60 Hz
Rated frequency *f*	50/60 Hz	50 Hz	50/60 Hz
Rated impulse withstand voltage U_{imp}	6 kV		
Rated insulation voltage U_i	690 V		
Tripping time	200 ms		
Making threshold	85 % U_e		
Tripping threshold	70 – 35 % U_e		

Mechanical parameters

	UVT51I	UVT51J	UVT51K
Device width	18.5 mm		
Device height	98 mm		
Device depth	85.5 mm		
Mounting	right side		
Degree of protection	IP20		
Terminals	lift		
Terminal capacity	1 – 2.5 mm^2		
Fastening torque of terminals	1.7 Nm		

Wiring diagram