




Circuit Interrupters / Motor Switches		8006/3	8543/1	8543/2		8548/2	
 01768E00	Rated working current	25 A	40 A	63 A	80 A	125 A	160 A
	Rated working voltage	690 V	690 V	690 V	500 V	660 V	500 V
	No. of poles	12 poles	8 poles	8 poles	8 poles	8 poles	8 poles
	Auxiliary contacts	--	optional	optional	optional	optional	optional
	Isolator features	yes	yes	yes	yes	yes	yes
	Switching capacity 400 V, AC3	11 kW	22 kW	37 kW	37 kW	55 kW	55 kW
<ul style="list-style-type: none"> <li>• Different switching sequences available</li> <li>• Rotary actuator with protective collar and 3 locking positions in the notched positions by using padlocks</li> <li>• Colour: black or red/yellow</li> </ul>							

Fuse Base Series 8561		8561/01	8561/02
 01408E00	Rated working voltage	400 V AC, 250 V DC	500 V AC/DC
	Rated working current	2 A ... 25 A	2 A ... 63 A
	Characteristic	time-lag class gL/gG, gTr acc. to VDE 0636, 0635, IEC 60 269	time-lag class gL/gG, gTr acc. to VDE 0636, 0635, IEC 60 269
	Enclosure-material	Epoxy resin	Epoxy resin
	Flexible lead	2 x 1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> clamp terminals	2 x 1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> clamp terminals
<p>A defective fuse link can be detected externally by means of the indicator. Fuse links may only be exchanged after disconnecting power supply.</p>			



Series 8562/5	Miniatur circuit-breaker, current limiting with thermal and magnetic release	Residual current circuit-breaker, AC and pulsed DC	Residual current circuit-breaker with integral overcurrent protection, AC and pulsed DC	
 01409E00	No. of poles	1 ... 4 poles	2 poles; 4 poles	
	Rated current	0.5 A ... 32 A	16/25/40 A	6 A ... 40 A
	Rated leakage current	--	10/30/100/300/500 mA	10/30/100/300 mA
	Rated working voltage	230/400 V, AC	230/400 V, AC	230 V, AC
	Breaking capacity	6 kA resp. 10 kA (25 kA to IEC)	6 kA	6 kA 1 pole; 10 kA 2 poles (25 kA to IEC)
	Characteristic	B, C, D	--	B, C, D
	<b>Auxiliary contacts</b>	Options : - 1 CO or/and 1 CO as a fault indication contact - 1 NO and 1 NO as a fault indication contact		
	Rated working voltage	max. 230 V, AC		
	Rated working current	5 A, at 230 V, AC 1 A at 60 V, DC		

**Small Fuse Base Series 8560**



05736E00

Rated working voltage	250 V, AC 500 V, AC 60 V, DC			
Rated current	0.032 A ... 6.3 A			
Characteristics	medium slow 0,032 A ... 1.25 A time lag 2 A ... 6.3 A			
Max. breaking capacity	250 V AC	medium slow	80 A	
	250 V AC	time lag	0.032 A ... 3.15 A	
			4 A	35 A
			5 A	40 A
			6.3 A	50 A
500 V AC	medium slow	50 A		

**Circuit-breaker for Motor Protection Series 8523/8**

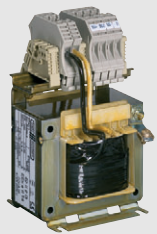


08875E00

- suitable for protection of „increased“ safety motors up to 12.5 kW (400V, AC 3)
- permanently set short-circuit fast-trip
- adjustable thermal overcurrent trip

Setting range	0.1 ... 22.5 A
Rated voltage	690 V, AC
Optional equipment	Auxiliary contacts 1 NO + 1 NC or 2 NO + 2 NC
	Under voltage trip or shunt trip

**Transformer Series STA**



010750E00

**Typical applications**

- Control voltage circuits
- Functional extra-low voltage PELV
- Safety extra-low voltage SELV
- Protective separations (of circuits)

Rating size	100, 200, 400, 500, 550, 750, 1200, 1600 VA
Rated voltage	
Primary voltage	50 V - 750 V
Secondary voltage	12 V - 750 V
Frequency	50 / 60 Hz

**Control Unit Series 8208**



01934E00

	with resistor	with diode	with small relay	with small fuse
Placement	1 or 2 resistors	1 to 3 diodes	1 NO or 1 NC	1 or 2 fuses
Rated working voltage	--	--	250 V, AC / 30 V, DC	500 V, AC
Rated working current	--	max. 1 A	3 A (AC 1)	0.63 A; 1.0 A; 1.25 A; 1.6 A
Rating	0.5 W ... 2 W	--	120 W / 1250 VA	--
Coil voltage	--	--	24 V, 110 V, 230 V, AC 24 V, DC	--



**Contactor 2.2 ... 15 kW  
Series 8510**

01763E00

Main contacts

Auxiliary contacts

Rated working  
voltageRated working  
current- Main contacts  
- Auxiliary  
contacts

Motor rating

Rated control  
voltage**control relay**

--

2 NO + 2 NC

690 V

--

--  
10 A

--

24V, 42 V, ... 500V,  
50/60 Hz**contactor  
2.2 ... 4 kW**

3 NO

1 NO or 1 NC

690 V

16 A

10 A

4 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz**contactor  
4 ... 10 kW**

3 NO

2 NO + 2 NC

690 V

25 A

10 A

10 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz**contactor  
15 kW**

3 NO

2 NO + 2 NC

690 V

25 A

10 A

15 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz**Reversing Starter 4 ... 15 kW  
Series 8510**

01763E00

Main contacts

Auxiliary contacts

Rated working  
voltageRated working  
current- Main contacts  
- Auxiliary  
contacts

Motor rating

Rated control  
voltage**reversing starter 4 kW**

3 NO

2 NO each

690 V

16 A

10 A

4 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz**reversing starter 10 kW**

3 NO

2 NO each

690 V

25 A

10 A

10 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz**reversing starter 15 kW**

3 NO

2 NO each

690 V

25 A

10 A

15 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz**Contactor with Motor Protection Relay  
4 ... 15 kW Series 8510**

01763E00

Main contacts

Auxiliary contacts

Rated working  
voltageRated working  
current- Main contacts  
- Auxiliary  
contacts

Motor rating

Rated control  
voltageMotor protection  
relay- Timing range  
- Auxiliary  
contacts- Rated working  
current**contactor with motor  
protection relay 4 kW**

3 NO

1 NO

690 V

16 A

10 A

4 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz

0.11 ... 22.5 A

1 NO + 1 NC

2 A at 230 V, AC

**contactor with motor  
protection relay 10 kW**

3 NO

1 NO + 1 NC

690 V

25 A

10 A

10 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz

0.11 ... 22.5 A

1 NO + 1 NC

2 A at 230 V, AC

**contactor with motor  
protection relay 15 kW**

3 NO

1 NO + 1 NC

690 V

25 A

10 A

15 kW at 690 V, AC

24V, 42 V, ... 500V,  
50/60 Hz

0.11 ... 22.5 A

1 NO + 1 NC

2 A at 230 V, AC

**Motor Protection Relay  
Series 8510**



01465E00

Timing range	0.11 ... 22.5 A
Rated working voltage	690 V, AC
Auxiliary contacts - Rated working voltage	1 NO + 1 NC 2 A at 230 V, AC

**Time Relay  
Series 8510**



01760E00

	<b>ON Time relay</b>	<b>OFF delay relay with auxiliary power</b>	<b>OFF delay relay without auxiliary power</b>	<b>for motor starter</b>
Timing range	0.05 sec ... 300 h	0.05 sec ... 300 h	0.05 sec ... 10 min	0.05 sec ... 300 h
Rated working voltage	24 ... 240 V, AC 24 ... 48 V, DC	24 ... 240 V, AC 24 ... 48 V, DC	24 ... 240 V, AC 24 ... 48 V, DC	24 ... 240 V, AC 24 ... 48 V, DC
Auxiliary contacts - Rated working current	2 CO 4 A at 250 V, AC	2 CO 4 A at 250 V, AC	2 CO 4 A at 250 V, AC	2 CO 4 A at 250 V, AC

**Relay Repeater  
Series 8510**



01762E00

The ON / OFF switching signal present on the I.S. input is transmitted to the output and switches to relay ON or OFF.

<b>Rated working voltage</b>	<b>24 V DC</b>	<b>115 or 230 V AC</b>	<b>115 or 230 V AC</b>
Explosion protection	EEx de [ia] IIC	EEx de [ia] IIC	EEx de [ia] IIC
Input	- Working current (non-inverting) - Closed-circuit current (inverting) - Closed-circuit current (inverting) with open-circuit monitoring	- Working current (non-inverting) - Closed-circuit current (inverting) - Closed-circuit current (inverting) with open-circuit monitoring	- Working current (non-inverting) - Closed-circuit current (inverting) - Closed-circuit current (inverting) with open-circuit monitoring - Working current (non-inverting) with short-circuit monitoring
Output	1 channel: 2 CO  2 channels: 1 CO / channel	1 channel: 1 CO	1 channel: 2 CO  2 channels: 1 CO / channel
Rated working current	4 A at 250 V, AC	4 A at 250 V, AC	4 A at 250 V, AC