Technical specifications

Front transverse auxiliary switches

		Switching capacity for different voltages	
		1 CO contact	1 NO + 1 NC, 2 NO
Rated operational current I_e			
• At AC-15, alternating voltage			
- 24 V	A	4	2
- 230 V	A	3	0.5
- 400 V	A	1.5	--
- 690 V	A	0.5	--
• At AC-12 = I_{th}, alternating voltage			
- 24 V	A	10	2.5
- 230 V	A	10	2.5
- 400 V	A	10	--
- 690 V	A	10	--
• At DC-13, direct voltage *L/R* 200 ms			
- 24 V	A	1	1
- 48 V	A	--	0.3
- 60 V	A	--	0.15
- 110 V	A	0.22	--
- 220 V	A	0.1	--
Minimum load capacity	V	17	
	mA	1	

Front transverse solid-state compatible auxiliary switches

			1 CO contact
• **Rated operational voltage U_e**	Alternating voltage	V	250
• **Rated operational current I_e/AC-14** at U_e = 250 V		A	0.5
• **Rated operational current I_e/AC-14** at U_e = 125 V		A	1
• **Rated operational voltage U_e**	Direct voltage *L/R* 200 ms	V	250
• **Rated operational current I_e/DC-13** at U_e = 250 V		A	0.27
• **Rated operational current I_e/DC-13** at U_e = 125 V		A	0.44
Minimum load capacity		V	5
		mA	1

Lateral auxiliary switches with signal switch

		Switching capacity for different voltages: Lateral auxiliary switch with 1 NO + 1 NC, 2 NO, 2 NC, 2 NO + 2 NC; signal switch
Rated operational current I_e		
• At AC-15, alternating voltage		
- 24 V	A	6
- 230 V	A	4
- 400 V	A	3
- 690 V	A	1
• At AC-12 = I_{th}, alternating voltage		
- 24 V	A	10
- 230 V	A	10
- 400 V	A	10
- 690 V	A	10
• At DC, direct voltage *L/R* 200 ms		
- 24 V	A	2
- 110 V	A	0.5
- 220 V	A	0.25
- 440 V	A	0.1
Minimum load capacity	V	17
	mA	1

Auxiliary trip units

		Undervoltage trip units	Shunt trip units
Power consumption			
• During pick-up			
- AC voltages	VA/W	20.2/13	20.2/13
- DC voltages	W	20	13 ... 80
• During uninterrupted duty			
- AC voltages	VA/W	7.2/2.4	--
- DC voltages	W	2.1	--
Response voltage			
• Tripping	V	0.35 ... 0.7 x U_s	0.7 ... 1.1 x U_s
• Pickup	V	0.85 ... 1.1 x U_s	--
Maximum opening time	ms	20	

Accessories

Mountable accessories

Short-circuit protection for auxiliary and control circuits		
Melting fuses gL/gG	A	10
Miniature circuit breaker, C characteristic	A	6[1]

[1] Prospective short-circuit current < 0.4 kA.

Conductor cross-sections for auxiliary and control circuits		
Connection type		**Screw terminals**
Terminal screw		Pozidriv size 2
Prescribed tightening torque	Nm	0.8 ... 1.2
Conductor cross-sections (1 or 2 conductors)		
• Solid	mm^2	2 x (0.5 ... 1.5)[1]/2 x (0.75 ... 2.5)[1]
• Finely stranded with end sleeve	mm^2	2 x (0.5 ... 1.5)[1]/2 x (0.75 ... 2.5)[1]
• Stranded	mm^2	2 x (0.5 ... 1.5)[1]/2 x (0.75 ... 2.5)[1]
• AWG cables	AWG	2 x (18 ... 14)
Connection type		**Cage Clamp terminals**[2)3)]
Conductor cross-sections (1 or 2 conductors connectable)		
• Solid	mm^2	2 x (0.25 ... 2.5)
• Finely stranded with end sleeve	mm^2	2 x (0.25 ... 1.5)
• Finely stranded without end sleeve	mm^2	2 x (0.25 ... 2.5)
• AWG cables, solid or stranded	AWG	2 x (24 ... 14)
Max. external diameter of the conductor insulation	mm	3.6

[1] If two different conductor cross-sections are connected to one clamping point, both cross-sections must lie in the range specified. If identical cross-sections are used, this restriction does not apply.

[2] With conductor cross-sections of ≤ 1 mm^2 an "insulation stop" must be used; see "Accessories", "Contactors and Contactor Assemblies".

[3] For corresponding 8WA2 803 or 8WA2 880 opening tools see "Accessories".