

Technical specifications

Contactor	Type		3TH42
Magnetic coil operating range			0.7 ... 1.25 x U_s
Power consumption of the magnetic coils (for cold coil)			
	0.7 x U_s	W	2.6
	1.0 x U_s	W	5.2
	1.25 x U_s	W	8.2
(For cold coil: Closing = Closed)			
Permissible ambient temperature	During operation	°C	-50 ... +70 ¹⁾
	During storage	°C	-55 ... +80
Permissible residual current of the electronics (with 0 signal)			
	DC operation		$\leq 10 \text{ mA} \times (24 \text{ V}/U_s)$
Operating times			
(Total break time = OFF-delay + Arcing time)			
• Closing			
- 0.7 x U_s	ON-delay (NO)	ms	70 ... 200
	OFF-delay (NC)	ms	28 ... 33
- 1 x U_s	ON-delay (NO)	ms	45 ... 80
	OFF-delay (NC)	ms	30 ... 34
- 1.25 x U_s	ON-delay (NO)	ms	40 ... 60
	OFF-delay (NC)	ms	31 ... 35
• Opening			
- 0.7 ... 1.25 x U_s	OFF-delay (NO)	ms	20 ... 30
	ON-delay (NC)	ms	22 ... 32
• Arcing time		ms	10

¹⁾ Side-by-side mounting with 10 mm distance.