

## Technical specifications

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

<sup>1)</sup> Side-by-side mounting with 10 mm distance