

Thermal overload relays

CT overload relays for heavy duty - Tripping class 30

3-pole auxiliary contacts 1NO 1NC

Tripping time $9s < TP \leq 30s$ at $7.2 \times IE$ from cold state for separate mounting



Fits to contactors type...	Adjusting ranges of relays (A)	Cat. No.	Ref. No.	Pack.
Screw terminals	2.5 - 4	bw 55K	139635	1
	4 - 6.5	bw 55K	139636	1
	5.5 - 8.5	bw 55K	139637	1
	7.5 - 11	bw 55K	139638	1
	10-16	bw 55K	139639	1
	12.5 - 20	bw 55K	139640	1
	17 - 27	bw 55K	139641	1
	26 - 40	bw 55K	139642	1
	32 - 52	bw 55K	139643	1
	45 - 70	bw 55K	139644	1
	60 - 90	bw 55K	139645	1
	80 - 125	bw 55K	139646	1



Screw terminals	120 - 190	bw 160K	139647	1
	175 - 280	bw 160K	139648	1
	200 - 310	bw 160K	139649	1
Connecting parts to couple to contactor see page G.6				



Screw terminals	120 - 190	bw 375K	139655	1
	175 - 280	bw 375K	139656	1
	250 - 400	bw 375K	139657	1
	315 - 500	bw 375K	139658	1
	430 - 700	bw 375K	139659	1
Connecting parts to couple to contactor see page G.6				



Kit consisting of 3 ct's and separate overload relay	500 - 850	bw 450K	139661	1
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Accessories for type b ...K and bw ...K

	Usable for device type...	Adjusting ranges of relays (A)	Cat. No.	Ref. No.	Pack.								
 <p>Separate mounting parts</p>	For separate mounting b 18K, b 55K For snap-on mounting on rails DIN EN 50 022												
	b 18K b 55K		VST 18K VST 55K	139662 139663	1 1								
<p>Connecting parts (E-No.=1 set)</p>	For b 160K, bw 160K For connection between overload relays and contactors LS 110K - LS 160K		AT 160K	139667	1								
	For b 375K, bw 375K For connection between overload relays and contactors LS 220K, LS 280K LS 375K		AT 280K AT 375K	139668 139669	1 1								
<p>Finger proof cover</p>	Later mounting on b 90K, bx 90K Finger proof according to DIN 0106 Part 100 Type KLA 90K3 to cover the main terminals between contactor and overload relays. (For other terminals type KLA 90K, see pag. F.18) b 90K with contactor		KLA 90K3	139671	1								
 <p>Remote operation with bowden cable</p>	With front element ø 22.5mm for door and cover mounting b 18K - b 450K, bx 18K - bx 90K bw 55K - bw 450K		FRSbK	139665	1								
			FRLbK	139666	1								
<p>Cover for setting scale</p>	b 18K - b 450K, bx 18K - bx 90K bw 55K - bw 450K		EAbK	139664	1								
 <p>Remote RESET element, electrical</p>	For b 18K - b 450K, bx 18K - bx 90K and bw 55K - bw 450K For later mounting on overload relays b ...K, bw ...K Voltage operating limits 0.85 - 1.1Us, power consumption AC 100VA, DC 100W Control voltage Us for AC 50/60Hz and DC	24	RRbK	136452	1								
		220 - 240	RRbK	136455	1								
		380 - 415	RRbK	136456	1								
		<table border="1"> <thead> <tr> <th>ON-time t₁</th> <th>OFF-time t₂</th> </tr> </thead> <tbody> <tr> <td>1s</td> <td>30s</td> </tr> <tr> <td>5s</td> <td>90s</td> </tr> <tr> <td>10s</td> <td>180s</td> </tr> </tbody> </table>	ON-time t ₁	OFF-time t ₂	1s	30s	5s	90s	10s	180s			
ON-time t ₁	OFF-time t ₂												
1s	30s												
5s	90s												
10s	180s												
		E1min = 0.2s not for continuous operating duty											