

Data Sheet

Contactor



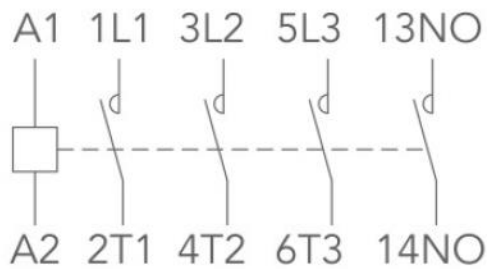
AC Contactor: 9 / 12 / 18 / 32 A

Standards: IEC 60947-1 general provisions and IEC 60947-4-1 contactors

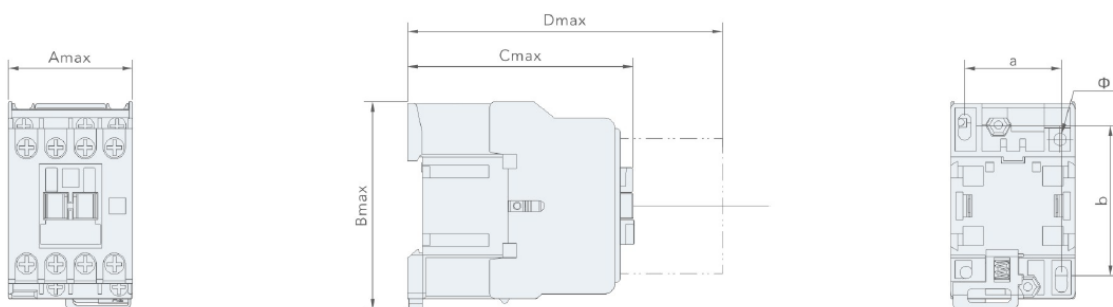
Altitude: Altitude at normal installation position does not exceed 2000 m

Protection grade: IP20

Wiring Diagram



Overall and installation dimensions



Item no.	Model no.	A max	B max	C max	D max	a	b	Ø
2618047	TC-GLC1-09 230V	47 mm	76 mm	86 mm	124.5 mm	35 ± 0.5 mm	50 ± 0.5 / 60 ± 0.6 mm	4.5 ₀ ^{+0.48}
2618048	TC-GLC1-12 230V	47 mm	76 mm	86 mm	124.5 mm	35 ± 0.5 mm	50 ± 0.5 / 60 ± 0.6 mm	4.5 ₀ ^{+0.48}
2618049	TC-GLC1-18 230V	47 mm	76 mm	91 mm	129.5 mm	35 ± 0.5 mm	50 ± 0.5 / 60 ± 0.6 mm	4.5 ₀ ^{+0.48}
2618050	TC-GLC1-32 230V	58 mm	86 mm	102 mm	140.5 mm	40 ± 0.5 mm	50 ± 0.5 / 60 ± 0.6 mm	4.5 ₀ ^{+0.48}

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Technical parameters

Item no.		2618047	2618048	2618049	2618050
Contactor model		TC-GLC1-09 230V	TC-GLC1-12 230V	TC-GLC1-18 230V	TC-GLC1-32 230V
Rated Insulation voltage (Ui)		690 V			
Conventional thermal current (Ith), A		20	20	32	50
Rated operating current (Ie), A	400 V, AC-3	9	12	18	32
	400 V, AC-4	3.5	5	7.7	12
	660 V, AC-3	6.6	8.9	10.6	21
	660 V, AC-4	1.5	2	3.8	7.5
Rated operating power (Pe), kW	400 V, AC-3	4	5.5	7.5	15
	400 V, AC-4	1.5	2.2	3	5
	660 V, AC-3	5.5	7.5	9	18.5
	660 V, AC-4	1.1	1.5	1.7	5.5
Mechanical durability, 10,000 times		1200			1000
Electrical durability, 10,000 times	AC-3	110			90
	AC-4	22			
Operating frequency, Time/hour	AC-3	1200			600
	AC-4	300			
Main Circuit terminal wiring capability (mm ²)					
Soft wire, 1 wire		1 - 4		1 - 6	1.5 - 10
Without terminal, 2 wire		1 - 4		1 - 6	1.5 - 6
Soft wire, 1 wire		1 - 2.5		1 - 4	
With terminal, 2 wire		1 - 2.5		1 - 4	
Hard wire, 1 wire		1 - 4		1 - 6	1.5 - 6
Without terminal, 2 wire		1 - 4		1 - 6	1.5 - 6
Coil					
Rated control circuit voltage (Us)	AC 50/60 Hz, V	24 / 36 / 110 / 230 / 400 V			
	DC, V	24 / 110 / 230 V			
Allowable control circuit voltage (Us)	Operation, V	85 - 110% Us			
	Drop-out, V	AC 20 - 70% Us / DC 10 - 70% Us			
Coil power	Actuation, VA	70			110
	Holding, VA	< 9		< 9.5	< 14
	Heat dissipation	1.8 - 2.7 W			3 - 4 W
Auxiliary contact					
Contact specification		10/01			
Conventional thermal current (Ith)		10			
Rated control circuit voltage (Ue)	AC, V	400			
	DC, V	230			
Rated control capacity	AC-15, VA	360			
	DC-13, W	33			