

Catalogue No: **DTC2504240D**

DIN CONTACTOR 25A 4NC 240V AC/DC COIL

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-T Contactors > DIN-T DTC..D Contactors



Representative Photo Only
(actual product may vary based on configuration selections)

DIN Contactor 25A, 4NC, 240V AC/DC coil

- Standards IEC 60947-1, IEC 60947-4-1 and IEC 61095
- 16, 20, 25, 40 & 63A
- Silent operated, hum free AC/DC coils
- Integrated surge protection
- Low power consumption
- Indicator position flag Red/Green
- Space saving, no spacer required 16A & 20A models
- 9mm Spacer required 25, 40 & 63A models if duty time 1hour and ambient >40°C
- Add on auxiliary contact 2NO or 1NO/1NC
- DIN rail mount

SPECIFICATIONS

Product Series	DIN-T
Component Type Power Distribution & Protection	Contactor
Rated Frequency	DC, 50/60/400 Hz
Coil Voltage, AC, Nom	240 V AC
Coil Voltage, DC, Nom	240 V DC
Contact Configuration	4 NC
Ui, Rated Insulation Voltage, AC	500 V AC
Rated Impulse Withstand Voltage	ESB: 6 & EN: 4 / 6 kV
Ith, Thermal Current at 40°C	25 A
Ue, Rated Operational Voltage, AC	400 V AC
Ue, Rated Operational Voltage, DC	220 V DC
Ie, Rated Operational Current, AC-1, 230V, 1Ø	25 A@230V 1Ø
Ie, Rated Operational Current, AC-1, 240V	25 A@240V
Ie, Rated Operational Current, AC-1, 230V, 3Ø	25 A@230V 3Ø
Ie, Rated Operational Current, AC-1, 400V, 3Ø	25 A@400V 3Ø
Ie, Rated Operational Current, AC-3, 230V, 1Ø	6 A@230V 1Ø
Ie, Rated Operational Current, AC-3, 230V, 3Ø	6 A@230V 3Ø
Ie, Rated Operational Current, AC-3, 400V, 3Ø	6 A@400V 3Ø
Ie, Rated Operational Current, AC-7a, 230V, 1Ø	25 A@230V 1Ø
Ie, Rated Operational Current, AC-7a, 400V, 3Ø	25 A@400V 3Ø
Ie, Rated Operational Current, AC-7b, 230V, 1Ø	6 A@230V 1Ø
Ie, Rated Operational Current, AC-7b, 230V, 3Ø	6 A@230V 3Ø
Ie, Rated Operational Current, AC-7b, 400V, 3Ø	6 A@400V 3Ø
Pe, Rated Operational Power, AC 1, 230V AC, 1Ø	5.8 kW@230V 1Ø
Pe, Rated Operational Power, AC 1, 230V AC, 3Ø	10 kW@230V 3Ø
Pe, Rated Operational Power, AC 1, 240V AC, 1Ø	6 kW@240V 1Ø
Pe, Rated Operational Power, AC 1, 400V AC, 3Ø	17.3 kW@400V 3Ø
Pe, Rated Operational Power, AC 3, 230V AC, 1Ø	0.9 kW@230V 1Ø

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Pe, Rated Operational Power, AC 3, 230V AC, 3Ø	1.5 kW@230V 3Ø
Pe, Rated Operational Power, AC 3, 400V AC, 3Ø	2.7 kW@400V 3Ø
kW Rating, AC-7a, 230V, 1Ø	5.8 kW @230V 1Ø
kW Rating, AC-7a, 230V, 3Ø	10 kW @230V 3Ø
kW Rating, AC-7a, 400V, 3Ø	17.3 kW @400V 3Ø
kW Rating, AC-7b, 230V, 1Ø	0.9 kW @230V 1Ø
kW Rating, AC-7b, 230V, 3Ø	1.5 kW @230V 3Ø
kW Rating, AC-7b, 400V, 3Ø	2.7 kW @400V 3Ø
Ie, Rated Operational Current, DC-1, 24V, 3Pole	24 A@24V 3Pole
Ie, Rated Operational Current, DC-1, 48V, 3Pole	22 A@48V 3Pole
Ie, Rated Operational Current, DC-1, 110V, 3Pole	9.5 A@110V 3Pole
Ie, Rated Operational Current, DC-1, 220V, 3Pole	3.8 A@220V 3Pole
Ie, Rated Operational Current, DC-3, 24V, 3 Pole	19 A@24V 3Pole
Ie, Rated Operational Current, DC-3, 48V, 3 Pole	9.4 A@48V 3Pole
Ie, Rated Operational Current, DC-3, 110V, 3 Pole	4.1 A@110V 3Pole
Ie, Rated Operational Current, DC-3, 220V, 3 Pole	1.6 A@220V 3Pole
Coil Operating Limits Range acc. to IEC/EN60947-4-1	0.85 ... 1.1 x Coil Voltage (at $\theta \leq 55^\circ\text{C}$)
Coil Pull In Consumption	4 W
Coil Pull In Consumption 50Hz	4 VA
Coil Pull In Consumption 60Hz	4 VA
Coil Holding Consumption	4 W
Coil Holding Consumption 50Hz	4 VA
Coil Holding Consumption 60Hz	4 VA
Motor FLC, 220-240V, 3Ø	9.6 A
Motor FLC, 440-480V, 3Ø	7.6 A
Cmax, Compensating Capacity per Phase	100 μF
Power Loss Per Pole	2 W
Wire / Conductor Size (Min)	1 x 1.5mm ² & 2 x 1.5mm ² min
Wire / Conductor Size (Max)	1 x 10mm ² & 2 x 4mm ²
Tightening Torque (Main Circuit)	1 Nm
Wire / conductor size, control, min	1 x 1mm ² & 2 x 1mm ²
Wire / conductor size, control, max	1 x 4mm ² & 2 x 2.5mm ²
Tightening Torque (Control Circuit)	0.9 Nm
Vibration Rating IEC60068-2-6	1g/3-150 Hz
Shock (Half-Sine) Category	Category E
Shock (Half-Sine) Rating IEC/EN 60068-2-27 (Ea)	15g/11ms
Rated Making Capacity AC-3	10 x Ie /AC-3
Rated Breaking Capacity AC-3	8 x Ie /AC-3
Electrical Durability, AC-1/AC-7a	130000 Cycles
Electrical Durability, AC-3/AC-7b	500000 Cycles
Max. Electrical Switching Frequency, AC-1/AC-7a	300 Cycles/h
Max. Electrical Switching Frequency, AC-3/AC-7b	600 Cycles/h
Height	85 mm
Width	36 mm
Depth	58 mm
Operating Temperature, Min	-25 °C min
Operating Temperature, Max	55 °C max
Storage Temperature, Min	-40 °C min
Storage Temperature, Max	80 °C max
Altitude, Operating, Max	2000 m

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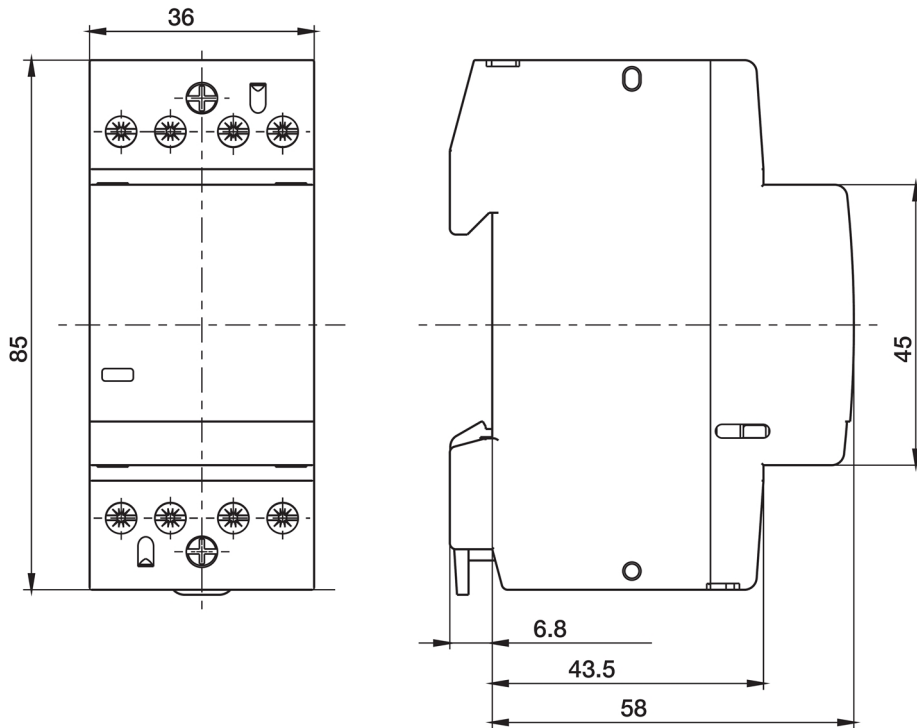
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Mechanical Durability	100000 Cycles
Standards Compliance	IEC 60947-1 IEC 60947-5-1

REFERENCES

IECEx Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	Lamp Load Table
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram

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Lamp Load Table

	DTC16..D	DTC20..D	DTC24..D	DTC40..D	DTC63..D
Rated Current (A)	16	20	25	40	63
Permitted compensating capacity per phase Cmax (µF)	45	75	100	350	500
Lamp types	Maximum load of the current paths during switching of electric lamps I _e (A)				
Incandescent and halogen lamps (230 V)	4	6	7	20	30
Mixing lamps without ballast	4	6	7	20	30
Fluorescent lamps with conventional ballast	Single lamp uncompensated	14	18	22	36
	Single lamp parallel compensated	2	3	3.5	10
	Series compensation, duo circuit	14	18	22	36
Fluorescent lamps with electronic ballast or CFL	4	6	7	20	30
LED lamps	4	6	7	20	30
High pressure mercury-vapor lamps	Single lamp without compensation	7	9	11	18
	Single lamp with parallel compensation	2	3	3.5	10
Halogen metal-vapor lamps	Single lamp without compensation	7	9	11	18
	Single lamp with parallel compensation	2	3	3.5	10
High pressure sodium-vapor lamps	Single lamp without compensation	7	9	11	18
	Single lamp with parallel compensation	2	3	3.5	10
Low pressure sodium-vapor lamps	Single lamp without compensation	7	9	11	18
	Single lamp with parallel compensation	2	3	3.5	10

Technical Diagram