Product datasheet

Specifications

Contactor, UEC2-30C，3P (3NO), AC Coil

Main

Product Series	UEC2
Product or Component Type	Contactor
Device Short Name	UEC2-30C
Contactor Application	Motor control Resistive load
Utilisation Category	AC-3 AC-1
Poles Description	3P
[Ue] Rated Operational Voltage	Power circuit: ≤ 690 V AC 50/60Hz
[Ie] Rated Operational Current	30 A (at ≤85 °C) at ≤ 400 V AC AC-3 for power circuit 32 A (at ≤85 °C) at ≤ 690 V AC AC-1 for power circuit
[Us] Control Circuit Voltage (AC 50/60Hz)	Voltage (V): 24 220 380 Code: B7 M7 Q7

Complementary

Motor Power kW	7.5 kW at 220/230 V AC 50/60 Hz (AC-3) 15 kW at 380/400 V AC 50/60 Hz (AC-3) 18.5 kW at 660/690 V AC 50/60 Hz (AC-3)
Pole Contact Composition	3 NO
[Ith] Conventional Free Air Thermal Current	32 A (at ≤85 °C) for power circuit 10 A (at ≤85 °C) for signalling circuit
Associated Fuse Rating	10 A gG for signalling circuit conforming to IEC 60947-5-1 40 A gG at ≤ 690 V coordination type 2 for power circuit
Average Impedance	2.4 mΩ - Ith 50 Hz for power circuit
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Signalling circuit: 690 V conforming to IEC 60947-5-1
Overvoltage Category	III
Pollution Degree	3

[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
Mechanical Durability	5.0 M cycles
Electrical Durability	0.2 M cycles at Ue ≤ 400 V conforming to ARI 780/790
Control Circuit Type	AC at 50/60 Hz standard
Coil Technology	Without built-in suppressor module
Control Circuit Voltage Limits	0.85...1.1 Us (-40...85 °C): operational AC 50/60 Hz 0.2...0.75 Us (-40...85 °C): drop-out AC 50/60 Hz
Inrush Power in VA	130 VA 50/60 Hz (at 25 °C)
Hold-in Power Consumption in VA	14 VA 50/60 Hz (at 25 °C)
Operating Time	Power circuit: 12...22 ms closing, 5...19 ms opening Signalling circuit (NO): 12...25 ms closing, 9...17 ms opening Signalling circuit (NC): 9...17 ms opening, 10...25 ms closing
Maximum Operating Rate	Electrical: 1200 cycs/h Mechanical: 3600 cycs/h
Connections - Terminals	Power circuit: screw clamp terminals 1 1...6 mm² (AWG 18...10)- cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 1...6 mm² (AWG 18...10) - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 1 1...6 mm² (AWG 18...10) - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 1...6 mm² (AWG 18...10)- cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 1...6 mm² (AWG 18...10)- cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 1...6 mm² (AWG 18...10) - cable stiffness: solid without cable end Power circuit: M3.5, Terminal width≤9.5mm (0.374 in) Control circuit: screw clamp terminals 1 1...4 mm² (AWG 18...12)- cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm² (AWG 18...12)- cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm² (AWG 18...12) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm² (AWG 18...14)- cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm² (AWG 18...12) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm² (AWG 18...12) - cable stiffness: solid without cable end Control circuit: M3.5, Terminal width≤8.1mm (0.318 in)
Tightening Torque	Power circuit: (15 ~ 18) lb.in (1.7 ~ 2.0 N·m) - on screw clamp terminals - with screwdriver flat Ø 6 mm Power circuit: (15 ~ 18) lb.in (1.7 ~ 2.0 N·m) - on screw clamp terminals - with screwdriver

	Philips (POZI) No 2 Control circuit: (7 ~ 10.7) lb.in (0.8 ~ 1.2 N·m) - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: (7 ~ 10.7) lb.in (0.8 ~ 1.2 N·m) - on screw clamp terminals - with screwdriver Philips (POZI) No 2
Auxiliary Contact Composition	1NO，1NC
Minimum Switching Voltage	17 V for signalling circuit
Minimum Switching Current	5mA for signalling circuit
Insulation Resistance	> 10 MΩ for signalling circuit
Mounting Support	Screw 35mm DIN Rail

Environment

Standards	GB/T 14048.4，GB/T 14048.5， IEC/EN 60947-4-1，IEC/EN 60947-5-1，BS EN 60947-4-1，BS EN 60947-5-1
Product Certifications	CCC，CE，UKCA
IP Degree of Protection	IP20 front face conforming to IEC 60529
Permissible Ambient Air Temperature Around the Device	-40...85 °C for normal operating Storage: -55...85 °C
Operating Altitude	0...3000 m without derating
Fire Resistance	Current-carrying parts：850 °C conforming to IEC 60695-2-11
Mechanical Robustness	Vibrations: 40m/s^2, 5Hz ~ 60Hz Shocks: 80m/s^2 for 11ms of half sine wave with contactor open Shocks: 150m/s^2 for 11ms of half sine wave with contactor closed
Height	81 mm
Width	45 mm
Depth	86.5 mm
Net Weight	0.42 kg

Packing Units

Unit Type of Package 1	/
Number of Units in Package 1	/
Package 1 Height	/
Package 1 Width	/
Package 1 Length	/
Package 1 Weight	/
Unit type of Package 2	1 carton
Number of Units in Package 2	20 pcs
Package 2 Height	21.5 cm
Package 2 Width	18.9 cm
Package 2 Length	25.3 cm
Package 2 Weight	8.8 kg

Offer Sustainability

REACH Regulation	Conforming
EU RoHS Directive	Conforming
Mercury Free	Yes
China RoHS Regulation	Conforming
RoHS Exemption Information	Yes

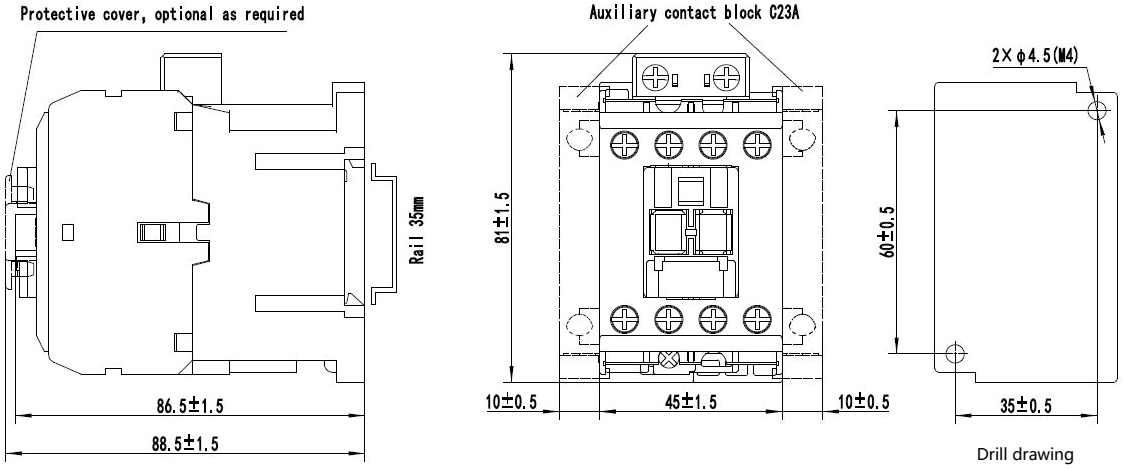
Contractual warranty

Warranty	18 months

Dimensions

UEC2-12...30 (3P, AC coil)

AC contactor:



Note: The unit is mm. The tolerance for mounting holes: ± 0.5.

Wiring diagram

AC contactor	
3P+1NO	3P+1NC