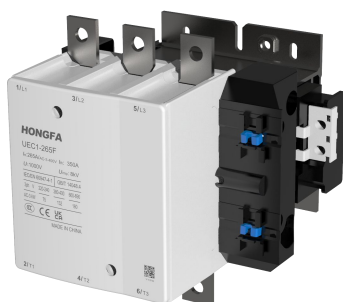


## Specifications



## Contactor, UEC1-265F, 3P (3NO), DC Coil

### Main

Product Series	UEC1		
Product or Component Type	Contactor		
Device Short Name	UEC1-265F		
Contactor Application	Motor control		
	Resistive load		
Utilisation Category	AC-3		
	AC-4		
	AC-1		
Poles Description	3P		
[Ue]Rated Operational Voltage	Power circuit: $\leq 690$ V AC 50/60Hz		
[Ie]Rated Operational Current	265 A (at $\leq 40$ °C) at $\leq 400$ V AC AC-3 for power circuit		
	350 A (at $\leq 40$ °C) at $\leq 690$ V AC AC-1 for power circuit		
[Us] Control Circuit Voltage	Voltage (VDC):	48	110 220
	Code:	ED	FD MD

### Complementary

Motor Power kW	75 kW at 220/240 V AC 50/60 Hz (AC-3)		
	132 kW at 380/400 V AC 50/60 Hz (AC-3)		
	140 kW at 415 V AC 50/60 Hz (AC-3)		
	140 kW at 440 V AC 50/60 Hz (AC-3)		
	160 kW at 500 V AC 50/60 Hz (AC-3)		
	160 kW at 660/690 V AC 50/60 Hz (AC-3)		
Pole Contact Composition	3 NO		
[Ith] Conventional Free Air Thermal Current	350 A (at $\leq 40$ °C) for power circuit		
[Icw] Rated Short-Time Withstand Current	2200 A $\leq 40$ °C - 10 s for power circuit		
	1230 A $\leq 40$ °C - 30 s for power circuit		
	950 A $\leq 40$ °C - 1 min for power circuit		
	620 A $\leq 40$ °C - 3 min for power circuit		

	480 A $\leq 40$ °C - 10 min for power circuit
Associated Fuse Rating	400 A gG at $\leq 400$ V coordination type 2 for power circuit
Average Impedance	0.3 m $\Omega$ - lth 50 Hz for power circuit
[Ui] Rated Insulation Voltage	Power circuit: 1000 V conforming to IEC 60947-4-1
Overvoltage Category	III
Pollution Degree	3
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947
Mechanical Durability	3 M cycles
Electrical Durability	0.5 M cycles 265 A AC-3 at $U_e \leq 400$ V
Control Circuit Type	DC
Control Circuit Voltage Limits	0.85...1.1 Us (-5...40 °C): operational 0.1...0.75 Us (-5...40 °C): drop-out
Inrush Power in VA	655...973 VA (at 25 °C)
Hold-in Power Consumption in VA	3.6...5.3 VA (at 25 °C)
Operating Time	40...50 ms closing, 40...65 ms opening
Maximum Operating Rate	Electrical: 600 cycs/h Mechanical: 1200 cycs/h
Connections - Terminals	Power circuit lugs-ring terminals 1 240 mm <sup>2</sup> Power circuit connector 1 240 mm <sup>2</sup> Power circuit bar 2 32 x 4 mm Power circuit bolted connection M10 Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> (AWG 18...12)- cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> (AWG 18...12)- cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> (AWG 18...12) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> (AWG 18...14)- cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> (AWG 18...12) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> (AWG 18...12) - cable stiffness: solid without cable end
Tightening Torque	Power circuit: 310 lb.in (35 N·m)- on bolt locking terminals - with external hexagonal wrench 16 Control circuit: 11 lb.in (1.2 N·m) - on screw clamp terminals - with screwdriver flat $\varnothing$ 6 mm Control circuit: 11 lb.in (1.2 N·m) - on screw clamp terminals - with screwdriver Philips No 2
Mounting Support	Screw

## Environment

Standards	GB/T 14048.4, IEC/EN 60947-4-1, BS EN 60947-4-1
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Product Certifications	CCC, CE, UKCA
IP Degree of Protection	IP00 front face conforming to IEC 60529
Permissible Ambient Air Temperature Around the Device	-5...40 °C for normal operating 40...70 °C with derating (for operation in the range of Us...1.1Us) Storage: -60...80 °C
Operating Altitude	0...3000 m without derating
Fire Resistance	Current-carrying parts: 850 °C conforming to IEC 60695-2-11
Height	203 mm
Width	201.5 mm
Depth	213 mm
Net Weight	7.10 kg

## Packing Units

Unit Type of Package 1	1 box
Number of Units in Package 1	1 pcs
Package 1 Height	25.5 cm
Package 1 Width	25.0 cm
Package 1 Length	25.0 cm
Package 1 Weight	8.25 kg
Unit type of Package 2	1 carton
Number of Units in Package 2	2 pcs
Package 2 Height	27.5 cm
Package 2 Width	27.5 cm
Package 2 Length	52.5 cm
Package 2 Weight	16.50 kg

## Offer Sustainability

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

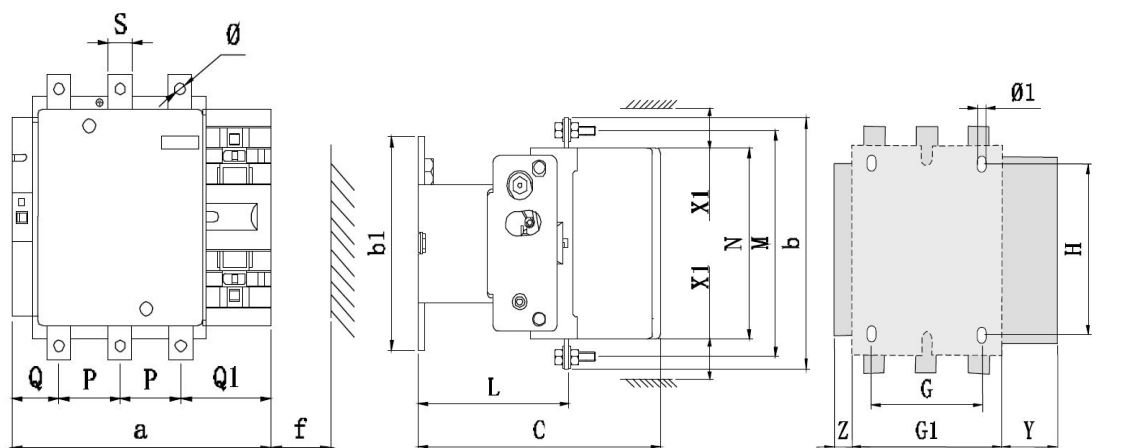
## Contractual Warranty

Warranty	18 months
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## Dimensions

UEC1-265F (3P, DC coil)

AC contactor:



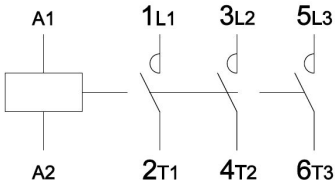
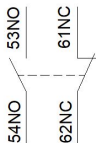
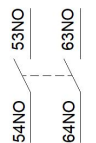
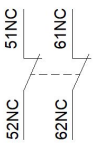
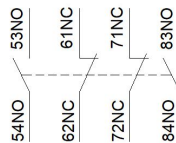
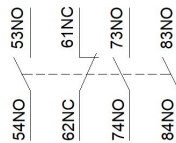
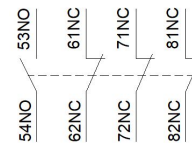
UEC1-265F	
a	201.5
P	48
Q	39
Q1	66.5
S	25
Ø	M10
f	147
b	203
b1	145
M	178
N	147
C	213
L	141
G	96
H	120 ~ 106
Ø1	6.5
G1	140
Z	20.5
Y	38
X1	10 ( $U_e \leq 500V$ ) 、 15 ( $U_e > 500V$ )

Note: Unit: mm

f: Minimum distance required for coil removal.

X1: Minimum electrical clearance according to operational voltage and breaking capacity.

## Wiring diagram

AC contactor		
3P		
		
Top mounting auxiliary contact block (instantaneous auxiliary contact)		
CA1R11 (1NO1NC)	CA1R20 (2NO)	CA1R02 (2NC)
		
CA1R22 (2NO2NC)	CA1R31 (3NO1NC)	CA1R13 (1NO3NC)
		
CA1R40 (4NO)	CA1R04 (4NC)	
