

PRODUCT-DETAILS

AF09ZB-40-00RT-22

AF09ZB-40-00RT-22 48-130V50/60HZ-DC

Contacteur



Algemene informatie

Type	AF09ZB-40-00RT-22
Artikelnummer	1SBL136260R2200
EAN	3471523129429
Omschrijving	AF09ZB-40-00RT-22 48-130V50/60HZ-DC Contacteur

Omschrijving	<p>The AF09ZB-40-00RT-22 is a 4 pole - 690 V IEC or 600 UL contactor with Ring-Tongue Terminals, controlling motors up to 4 kW / 400 V AC (AC-3) and switching power circuits up to 25 A (AC-1) or 25 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (48-130 V 50/60 Hz and DC), managing large control voltage variations, reducing panel energy consumptions and ensuring distinct operations in unstable networks. Furthermore, surge protection is built-in, offering a compact solution. AF contactors have a block type design, can be easily extended with add-on auxiliary contact blocks and an additional wide range of accessories.</p>
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Ordering

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85364900

Popular Downloads

Instructies en handleidingen	1SBC101035M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product netto breedte	45 mm
Product netto diepte	77 mm
Product netto hoogte	86 mm
Product netto gewicht	0.32 kg

Technical

Aantal hoofdcontacten NO	4
Aantal hoofdcontacten NC	0
Aantal hulpcontacten NO	0
Aantal hulpcontacten NC	0
Normen	IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-4-1, CSA C22.2 No. 60947-4-1, IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), TR CU 001/2011, IEC 61373, For compliance confirmation on applicable parts based on your application and combination, please consult your ABB sales representatives.
Nominaal bedrijfsvoltage	Main Circuit 690 V
Toegekende frequentie (f)	Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventionele vrije-lucht thermische stroom (I_{th})	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40^\circ\text{C}$ 35 A
Nominale bedrijfsstroom AC-1 (I_e)	(690 V) 40 °C 25 A (690 V) 60 °C 25 A (690 V) 70 °C 22 A
Nominale bedrijfsstroom AC-3 (I_e)	(415 V) 60 °C 9 A (440 V) 60 °C 9 A (500 V) 60 °C 9.5 A (690 V) 60 °C 7 A (380 / 400 V) 60 °C 9 A (220 / 230 / 240 V) 60 °C 9 A
Nominale bedrijfsvermogen AC-3 (P_e)	(400 V) 4 kW (415 V) 4 kW (440 V) 4 kW (500 V) 5.5 kW (690 V) 5.5 kW (380 / 400 V) 4 kW (220 / 230 / 240 V) 2.2 kW
Nominale kortstondige grensstroom (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 35 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 60 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 80 A
Maximale breekcapaciteit	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 250 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 106 A
Maximale elektrische schakelfrequentie	(AC-1) 600 omwentelingen per uur
Nominale bedrijfsstroom DC-1 (I_e)	(110 V) 1-Pole, 40 °C 10 A (110 V) 1-Pole, 60 °C 10 A (110 V) 1-Pole, 70 °C 10 A

Nominale bedrijfsstroom
DC-3 (I_e)

(110 V) 2 Poles in Series, 40 °C 25 A
 (110 V) 2 Poles in Series, 60 °C 25 A
 (110 V) 2 Poles in Series, 70 °C 22 A
 (110 V) 3 Poles in Series, 40 °C 25 A
 (110 V) 3 Poles in Series, 60 °C 25 A
 (110 V) 3 Poles in Series, 70 °C 22 A
 (110 V) 4 Poles in Series, 40 °C 25 A
 (110 V) 4 Poles in Series, 60 °C 25 A
 (110 V) 4 Poles in Series, 70 °C 22 A
 (220 V) 2 Poles in Series, 40 °C 10 A
 (220 V) 2 Poles in Series, 60 °C 10 A
 (220 V) 2 Poles in Series, 70 °C 10 A
 (220 V) 3 Poles in Series, 40 °C 25 A
 (220 V) 3 Poles in Series, 60 °C 25 A
 (220 V) 3 Poles in Series, 70 °C 22 A
 (220 V) 4 Poles in Series, 40 °C 25 A
 (220 V) 4 Poles in Series, 60 °C 25 A
 (220 V) 4 Poles in Series, 70 °C 22 A
 (440 V) 4 Poles in Series, 40 °C 10 A
 (440 V) 4 Poles in Series, 60 °C 10 A
 (440 V) 4 Poles in Series, 70 °C 10 A
 (72 V) 1-Pole, 40 °C 25 A
 (72 V) 1-Pole, 60 °C 25 A
 (72 V) 1-Pole, 70 °C 22 A
 (72 V) 2 Poles in Series, 40 °C 25 A
 (72 V) 2 Poles in Series, 60 °C 25 A
 (72 V) 2 Poles in Series, 70 °C 22 A
 (72 V) 3 Poles in Series, 40 °C 25 A
 (72 V) 3 Poles in Series, 60 °C 25 A
 (72 V) 3 Poles in Series, 70 °C 22 A
 (72 V) 4 Poles in Series, 40 °C 25 A
 (72 V) 4 Poles in Series, 60 °C 25 A
 (72 V) 4 Poles in Series, 70 °C 22 A
 (110 V) 1-Pole, 40 °C 6 A
 (110 V) 1-Pole, 60 °C 6 A
 (110 V) 1-Pole, 70 °C 6 A
 (110 V) 2 Poles in Series, 40 °C 25 A
 (110 V) 2 Poles in Series, 60 °C 25 A
 (110 V) 2 Poles in Series, 70 °C 22 A
 (110 V) 3 Poles in Series, 40 °C 25 A
 (110 V) 3 Poles in Series, 60 °C 25 A
 (110 V) 3 Poles in Series, 70 °C 22 A
 (110 V) 4 Poles in Series, 40 °C 25 A
 (110 V) 4 Poles in Series, 60 °C 25 A
 (110 V) 4 Poles in Series, 70 °C 22 A
 (220 V) 2 Poles in Series, 40 °C 6 A
 (220 V) 2 Poles in Series, 60 °C 6 A
 (220 V) 2 Poles in Series, 70 °C 6 A
 (220 V) 3 Poles in Series, 40 °C 25 A
 (220 V) 3 Poles in Series, 60 °C 25 A
 (220 V) 3 Poles in Series, 70 °C 22 A
 (220 V) 4 Poles in Series, 40 °C 25 A
 (220 V) 4 Poles in Series, 60 °C 25 A
 (220 V) 4 Poles in Series, 70 °C 22 A
 (440 V) 4 Poles in Series, 40 °C 6 A
 (440 V) 4 Poles in Series, 60 °C 6 A
 (440 V) 4 Poles in Series, 70 °C 6 A
 (72 V) 1-Pole, 40 °C 25 A
 (72 V) 1-Pole, 60 °C 25 A
 (72 V) 1-Pole, 70 °C 22 A
 (72 V) 2 Poles in Series, 40 °C 25 A
 (72 V) 2 Poles in Series, 60 °C 25 A
 (72 V) 2 Poles in Series, 70 °C 22 A
 (72 V) 3 Poles in Series, 40 °C 25 A
 (72 V) 3 Poles in Series, 60 °C 25 A
 (72 V) 3 Poles in Series, 70 °C 22 A
 (72 V) 4 Poles in Series, 40 °C 25 A
 (72 V) 4 Poles in Series, 60 °C 25 A
 (72 V) 4 Poles in Series, 70 °C 22 A

Nominale bedrijfsstroom DC-5 (I_e)	(110 V) 1-Pole, 40 °C 4 A (110 V) 1-Pole, 60 °C 4 A (110 V) 1-Pole, 70 °C 4 A (110 V) 2 Poles in Series, 40 °C 10 A (110 V) 2 Poles in Series, 60 °C 10 A (110 V) 2 Poles in Series, 70 °C 10 A (110 V) 3 Poles in Series, 40 °C 25 A (110 V) 3 Poles in Series, 60 °C 25 A (110 V) 3 Poles in Series, 70 °C 22 A (110 V) 4 Poles in Series, 40 °C 25 A (110 V) 4 Poles in Series, 60 °C 25 A (110 V) 4 Poles in Series, 70 °C 22 A (220 V) 2 Poles in Series, 40 °C 4 A (220 V) 2 Poles in Series, 60 °C 4 A (220 V) 2 Poles in Series, 70 °C 4 A (220 V) 3 Poles in Series, 40 °C 9 A (220 V) 3 Poles in Series, 60 °C 9 A (220 V) 3 Poles in Series, 70 °C 9 A (220 V) 4 Poles in Series, 40 °C 10 A (220 V) 4 Poles in Series, 60 °C 10 A (220 V) 4 Poles in Series, 70 °C 10 A (440 V) 4 Poles in Series, 40 °C 4 A (440 V) 4 Poles in Series, 60 °C 4 A (440 V) 4 Poles in Series, 70 °C 4 A (72 V) 1-Pole, 40 °C 9 A (72 V) 1-Pole, 60 °C 9 A (72 V) 1-Pole, 70 °C 9 A (72 V) 2 Poles in Series, 40 °C 25 A (72 V) 2 Poles in Series, 60 °C 25 A (72 V) 2 Poles in Series, 70 °C 22 A (72 V) 3 Poles in Series, 40 °C 25 A (72 V) 3 Poles in Series, 60 °C 25 A (72 V) 3 Poles in Series, 70 °C 22 A (72 V) 4 Poles in Series, 40 °C 25 A (72 V) 4 Poles in Series, 60 °C 25 A (72 V) 4 Poles in Series, 70 °C 22 A
Nominaal isolatievoltage (U_i)	acc. to IEC 60947-4-1 690 V acc. to UL/CSA 600 V
Nominale impuls grensvoltage (U_{imp})	6 kV
Maximale mechanische schakelfrequentie	3600 omwentelingen per uur
Nominale stuurstroomkringspanning (U_c)	50 Hz 48 ... 130 V 60 Hz 48 ... 130 V DC Operation 48 ... 130 V
Bedieningstijd	Between Coil De-energization and NC Contact Closing 13 ... 98 ms Between Coil De-energization and NO Contact Opening 11 ... 95 ms Between Coil Energization and NC Contact Opening 38 ... 90 ms Between Coil Energization and NO Contact Closing 40 ... 95 ms
Montage op DIN-rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Montage door schroeven (niet meegeleverd)	2 x M4 screws placed diagonally
Beschermingsgraad	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Terminaaltype	Ring-Tongue Terminals

Technical UL/CSA

Maximale bedrijfsspanning UL/CSA	Main Circuit 600 V
Algemeen gebruik klasse	(600 V AC) 25 A

UL/CSA

Aanhaalmoment UL/CSA

Control Circuit 11 in-lb
Main Circuit 13 in-lb**Environmental**

Omgevingsluchttemperatuur	bij schakelaar voor opslag -60 ... +80 °C bij schakelaar voor bedrijf in open lucht -40 ... 70 °C
Klimaatbestendig	Category B according to IEC 60947-1 Annex Q
Maximale werkhoogte toegestaan	Without Derating 3000 m
Schok- en vibratiebestendig volgens IEC 61373	Category 1, Class B
RoHS-status	Following EU Directive 2011/65/EU

Certificates and Declarations

CB-certificaat	CB_SE-96551
CCC-certificaat	CCC_2010010304445624
CQC-certificaat	CQC2010010304445624
Declaration of Conformity - CCC	2020980304001253
Conformiteitsverklaring - CE	1SBD250004U1000
Declaration of Conformity - UKCA	1SBD250035U1000
EAC-certificaat	EAC_RU C-FR ME77 B03597
UL-noteringskaart	UL_E319322
UR-certificaat	UL_20121126-E319322_4_1

Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	87 mm
Pakketniveau 1 Lengte	79 mm
Pakketniveau 1 Hoogte	47 mm
Pakketniveau 1 Brutogewicht	0.32 kg
Pakketniveau 1 EAN	3471523129429
Pakketniveau 2 Units	doos 27 stuk
Pakketniveau 2 Breedte	250 mm
Pakketniveau 2 Lengte	300 mm
Pakketniveau 2 Hoogte	315 mm
Pakketniveau 2 Brutogewicht	17.28 kg
Pakketniveau 3 Units	1296 stuk

Classifications

Object classificatiecode	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - Magneetschakelaar
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Magneetschakelaar
eClass	V11.0 : 27371003
UNSPSC	39121529
IGCC (IDEA granulaire categoriecode)	4758 >> Iec Contactors

Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars

