

PRODUCT-DETAILS

# AFC38-22-00-88

## AFC38-22-00-88 230-240V50Hz 240-260V60Hz

### Contacteur



#### Algemene informatie

Type	AFC38-22-00-88
Artikelnummer	1SBL291501R8800
EAN	3471523016392
Omschrijving	AFC38-22-00-88 230-240V50Hz 240-260V60Hz Contacteur
Omschrijving	The AFC38-22-00-88 is a 4-pole (2 N.O + 2 N.C) - 690 V IEC or 600 V UL contactor with screw terminals, mainly controlling power circuits up to 55 A (IEC AC-1) or 55 A UL general use. Within the AF platform, AFC contactors offer an optimized operating time for AC controlled applications with electromagnetic coil (control voltage : 230 ... 240 V AC 50 Hz / 240 ... 260 V AC 60 Hz). AFC contactors have a block type design and can be easily extended with add-on auxiliary contact blocks and a wide range of additional accessories.

#### Ordering

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85364900

#### Popular Downloads

Gegevensblad, technische informatie	1SBC100219C0201
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Instructies en handleidingen	1SBC101027M6801
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Product netto breedte	45 mm
Product netto diepte	101 mm
Product netto hoogte	86 mm
Product netto gewicht	0.394 kg

## Technical

Aantal hoofdcontacten NO	2
Aantal hoofdcontacten NC	2
Aantal hulpcontacten NO	0
Aantal hulpcontacten NC	0
Normen	IEC/EN 60947-1, IEC/EN 60947-4-1, UL 508, CSA C22.2 No. 60947-1-13, CSA C22.2 No. 60947-4-1
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 $\Theta = 40\text{ °C}$ 55 A
Nominale bedrijfsstroom AC-1 ( $I_e$ )	(690 V) 40 °C 55 A (690 V) 60 °C 45 A (690 V) 70 °C 37 A
Nominale bedrijfsstroom AC-3 ( $I_e$ )	(415 V) 60 °C 21.2 A (440 V) 60 °C 20 A (500 V) 60 °C 17.6 A (690 V) 60 °C 10.5 A (380 / 400 V) 60 °C 22 A (220 / 230 / 240 V) 60 °C 23.2 A
Nominale bedrijfsvermogen AC-3 ( $P_e$ )	(415 V) 11 kW (440 V) 11 kW (500 V) 11 kW (690 V) 9 kW (220 / 230 / 240 V) 5.5 kW
Nominale kortstondige grensstroom ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 55 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 450 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A
Maximale elektrische schakelfrequentie	(AC-1) 600 omwentelingen per uur (AC-15) 0 omwentelingen per uur (AC-2 / AC-4) 0 omwentelingen per uur (AC-3) 0 omwentelingen per uur (DC-13) 0 omwentelingen per uur
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 230 ... 240 V 60 Hz 240 ... 260 V
Bedieningstijd	Between Coil De-energization and NC Contact Closing 9 ... 20 ms Between Coil De-energization and NO Contact Opening 4 ... 18 ms Between Coil Energization and NC Contact Opening 7 ... 21 ms Between Coil Energization and NO Contact Closing 10 ... 26 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
Verbindingscapaciteit hoofdcircuit	Flexible with Ferrule 1/2x 1.5 ... 16 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1.5 ... 16 mm <sup>2</sup> Rigid Solid 1/2x 1.5 ... 4 mm <sup>2</sup> Rigid Stranded 1/2x 1.5 ... 16 mm <sup>2</sup>
Verbindingscapaciteit controlecircuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Rigid Solid 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid Stranded 1/2x 1 ... 2.5 mm <sup>2</sup>
Kabelstriplengte	Control Circuit 10 mm Main Circuit 12 mm
Beschermingsgraad	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20
Terminaltype	Schroef

## Technical UL/CSA

Maximale bedrijfsspanning UL/CSA	Main Circuit 600 V
Algemeen gebruik klasse UL/CSA	(600 V AC) 55 A
Verbindingscapaciteit hoofdcircuit UL/CSA	Rigid Solid 1/2x 16-10 AWG Rigid Stranded 1/2x 16-6 AWG
Verbindingscapaciteit controlecircuit UL/CSA	Rigid Solid 1/2x 18-14 AWG Rigid Stranded 1/2x 18-14 AWG
Aanhaalmoment UL/CSA	Control Circuit 11 in-lb Main Circuit 22 in-lb

## Environmental

Omgevingsluchttemperatu ur	bij schakelaar voor opslag -60 ... +80 °C bij schakelaar voor bedrijf in open lucht -40 ... 70 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 $U_c$ ) -40 ... +60 °C Near Contactor for Operation in Free Air ( $U_c$ ) -40 ... 70 °C
Klimaatbestendig	Category B according to IEC 60947-1 Annex Q
Maximale werkhoogte toegestaan	Without Derating 3000 m
Weerstand tegen trillingen volgens IEC 60068-2-6	5 ... 300 Hz 4 g closed position / 2 g open position
Schokweerstand volgens IEC 60068-2-27	Closed, Shock Direction: B1 25 g Open, Shock Direction: B1 5 g

## Certificates and Declarations

BV-certificaat	BV_2634H24898C0
CB-certificaat	CB_SE-96553M1
CQC-certificaat	CQC2010010304445623
Declaration of Conformity - CCC	2020980304001254
Conformiteitsverklaring - CE	1SBD250025U1000
Declaration of Conformity - UKCA	1SBD250046U1000
UL-certificaat	UL-US-L319322-13-72119002-3 UL-CA-L319322-43-72119002-3

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## Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	87 mm
Pakketniveau 1 Lengte	103 mm
Pakketniveau 1 Hoogte	47 mm
Pakketniveau 1 Brutogewicht	0.394 kg
Pakketniveau 1 EAN	3471523016392
Pakketniveau 3 Units	864 stuk

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## Classifications

Object classificatiecode	Q
ETIM 6	EC000066 - Magneetschakelaar
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Magneetschakelaar
eClass	V11.0 : 27371003
UNSPSC	39121529
IGCC (IDEA granulaire categoriegcode)	4755 >> Contactors

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## Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars

