

PRODUCT-DETAILS

AF16-40-00-11

AF16-40-00-11 24-60V50/60HZ 20-60VDC

Contacteur



Algemene informatie

Type	AF16-40-00-11
Artikelnummer	1SBL177201R1100
EAN	3471523115118
Omschrijving	AF16-40-00-11 24-60V50/60HZ 20-60VDC Contacteur

Omschrijving	<p>The AF16-40-00-11 is a 4 pole - 690 V IEC or 600 UL contactor with screw terminals, controlling motors up to 7.5 kW / 400 V AC (AC-3) and switching power circuits up to 30 A (AC-1) or 30 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (24-60 V 50/60 Hz and 20-60 V 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>
--------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Ordering

Minimale bestelhoeveelheid	1 stuk
Numero douanetarief	85364900

Popular Downloads

Instructies en handleidingen	1SBC101027M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product netto breedte	45 mm
Product netto diepte	77 mm
Product netto hoogte	86 mm
Product netto gewicht	0.27 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 508, 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 $\Theta = 40\text{ °C}$ 35 A
Nominale bedrijfsstroom AC-1 (I_e)	(690 V) 40 °C 30 A (690 V) 60 °C 30 A (690 V) 70 °C 26 A
Nominale bedrijfsstroom AC-3 (I_e)	(415 V) 60 °C 18 A (440 V) 60 °C 18 A (500 V) 60 °C 15 A (690 V) 60 °C 10.5 A (380 / 400 V) 60 °C 18 A (220 / 230 / 240 V) 60 °C 18 A
Nominale bedrijfsvermogen AC-3 (P_e)	(400 V) 7.5 kW (415 V) 9 kW (440 V) 9 kW (500 V) 9 kW (690 V) 9 kW (380 / 400 V) 7.5 kW (220 / 230 / 240 V) 4 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 $I_e > 100\text{ A}$) at 440 V 250 A cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$) 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 20 A (110 V) 1-Pole, 60 °C 20 A (110 V) 1-Pole, 70 °C 20 A (110 V) 2 Poles in Series, 40 °C 30 A (110 V) 2 Poles in Series, 60 °C 30 A (110 V) 2 Poles in Series, 70 °C 26 A (110 V) 3 Poles in Series, 40 °C 30 A

	(110 V) 3 Poles in Series, 60 °C 30 A
	(110 V) 3 Poles in Series, 70 °C 26 A
	(110 V) 4 Poles in Series, 40 °C 30 A
	(110 V) 4 Poles in Series, 60 °C 30 A
	(110 V) 4 Poles in Series, 70 °C 26 A
	(220 V) 2 Poles in Series, 40 °C 20 A
	(220 V) 2 Poles in Series, 60 °C 20 A
	(220 V) 2 Poles in Series, 70 °C 20 A
	(220 V) 3 Poles in Series, 40 °C 30 A
	(220 V) 3 Poles in Series, 60 °C 30 A
	(220 V) 3 Poles in Series, 70 °C 26 A
	(220 V) 4 Poles in Series, 40 °C 30 A
	(220 V) 4 Poles in Series, 60 °C 30 A
	(220 V) 4 Poles in Series, 70 °C 26 A
	(440 V) 4 Poles in Series, 40 °C 20 A
	(440 V) 4 Poles in Series, 60 °C 20 A
	(440 V) 4 Poles in Series, 70 °C 20 A
	(72 V) 1-Pole, 40 °C 30 A
	(72 V) 1-Pole, 60 °C 30 A
	(72 V) 1-Pole, 70 °C 26 A
	(72 V) 2 Poles in Series, 40 °C 30 A
	(72 V) 2 Poles in Series, 60 °C 30 A
	(72 V) 2 Poles in Series, 70 °C 26 A
	(72 V) 3 Poles in Series, 40 °C 30 A
	(72 V) 3 Poles in Series, 60 °C 30 A
	(72 V) 3 Poles in Series, 70 °C 26 A
	(72 V) 4 Poles in Series, 40 °C 30 A
	(72 V) 4 Poles in Series, 60 °C 30 A
	(72 V) 4 Poles in Series, 70 °C 26 A
Nominale bedrijfsstroom	(110 V) 1-Pole, 40 °C 8 A
DC-3 (I_e)	(110 V) 1-Pole, 60 °C 8 A
	(110 V) 1-Pole, 70 °C 8 A
	(110 V) 2 Poles in Series, 40 °C 30 A
	(110 V) 2 Poles in Series, 60 °C 30 A
	(110 V) 2 Poles in Series, 70 °C 26 A
	(110 V) 3 Poles in Series, 40 °C 30 A
	(110 V) 3 Poles in Series, 60 °C 30 A
	(110 V) 3 Poles in Series, 70 °C 26 A
	(110 V) 4 Poles in Series, 40 °C 30 A
	(110 V) 4 Poles in Series, 60 °C 30 A
	(110 V) 4 Poles in Series, 70 °C 26 A
	(220 V) 2 Poles in Series, 40 °C 8 A
	(220 V) 2 Poles in Series, 60 °C 8 A
	(220 V) 2 Poles in Series, 70 °C 8 A
	(220 V) 3 Poles in Series, 40 °C 30 A
	(220 V) 3 Poles in Series, 60 °C 30 A
	(220 V) 3 Poles in Series, 70 °C 26 A
	(220 V) 4 Poles in Series, 40 °C 30 A
	(220 V) 4 Poles in Series, 60 °C 30 A
	(220 V) 4 Poles in Series, 70 °C 26 A
	(440 V) 4 Poles in Series, 40 °C 8 A
	(440 V) 4 Poles in Series, 60 °C 8 A
	(440 V) 4 Poles in Series, 70 °C 8 A
	(72 V) 1-Pole, 40 °C 30 A
	(72 V) 1-Pole, 60 °C 30 A
	(72 V) 1-Pole, 70 °C 26 A
	(72 V) 2 Poles in Series, 40 °C 30 A
	(72 V) 2 Poles in Series, 60 °C 30 A
	(72 V) 2 Poles in Series, 70 °C 26 A
	(72 V) 3 Poles in Series, 40 °C 30 A
	(72 V) 3 Poles in Series, 60 °C 30 A
	(72 V) 3 Poles in Series, 70 °C 26 A
	(72 V) 4 Poles in Series, 40 °C 30 A
	(72 V) 4 Poles in Series, 60 °C 30 A
	(72 V) 4 Poles in Series, 70 °C 26 A
Nominale bedrijfsstroom	(110 V) 1-Pole, 40 °C 4 A
DC-5 (I_e)	(110 V) 1-Pole, 60 °C 4 A
	(110 V) 1-Pole, 70 °C 4 A
	(110 V) 2 Poles in Series, 40 °C 20 A

	(110 V) 2 Poles in Series, 60 °C 20 A (110 V) 2 Poles in Series, 70 °C 20 A (110 V) 3 Poles in Series, 40 °C 30 A (110 V) 3 Poles in Series, 60 °C 30 A (110 V) 3 Poles in Series, 70 °C 26 A (110 V) 4 Poles in Series, 40 °C 30 A (110 V) 4 Poles in Series, 60 °C 30 A (110 V) 4 Poles in Series, 70 °C 26 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 16 A (220 V) 3 Poles in Series, 60 °C 16 A (220 V) 3 Poles in Series, 70 °C 16 A (220 V) 4 Poles in Series, 40 °C 20 A (220 V) 4 Poles in Series, 60 °C 20 A (220 V) 4 Poles in Series, 70 °C 20 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 16 A (72 V) 1-Pole, 60 °C 16 A (72 V) 1-Pole, 70 °C 16 A (72 V) 2 Poles in Series, 40 °C 30 A (72 V) 2 Poles in Series, 60 °C 30 A (72 V) 2 Poles in Series, 70 °C 26 A (72 V) 3 Poles in Series, 40 °C 30 A (72 V) 3 Poles in Series, 60 °C 30 A (72 V) 3 Poles in Series, 70 °C 26 A (72 V) 4 Poles in Series, 40 °C 30 A (72 V) 4 Poles in Series, 60 °C 30 A (72 V) 4 Poles in Series, 70 °C 26 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 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 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
Verbindingscapaciteit hoofdcircuit	Flexible with Ferrule 1/2x 0.75 ... 6 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 4 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm ² Rigid Solid 1/2x 1 ... 4 mm ² Rigid Stranded 1/2x 1 ... 6 mm ²
Verbindingscapaciteit hulpcircuit	Rigid Solid 1/2x 1 ... 2.5 mm ² Rigid Stranded 1/2x 1 ... 2.5 mm ²
Verbindingscapaciteit controlecircuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid Solid 1/2x 1 ... 2.5 mm ² Rigid Stranded 1/2x 1 ... 2.5 mm ²
Kabelstriplengte	Control Circuit 10 mm Main Circuit 10 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) 30 A
Verbindingscapaciteit hoofdcircuit UL/CSA	Rigid Solid 1/2x 16-10 AWG Rigid Stranded 1/2x 16-10 AWG
Verbindingscapaciteit hulpcircuit UL/CSA	Rigid Solid 1/2x 18-14 AWG Rigid Stranded 1/2x 18-14 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 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 werkhooftogte 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 Shock Direction: A 30 g Shock Direction: B2 15 g Shock Direction: C1 25 g Shock Direction: C2 25 g
RoHS-status	Following EU Directive 2011/65/EU

Certificates and Declarations

ABS-certificaat	ABS_20-2060694-PDA
BV-certificaat	BV_2634H24898C0
CB-certificaat	CB_SE-108879
CCC-certificaat	CCC_2010010304445624
CQC-certificaat	CQC2010010304445624 CQC2020010304298240
Declaration of Conformity - CCC	2020980304001253 2020980304001082
Conformiteitsverklaring - CE	1SBD250001U1000
Declaration of Conformity - UKCA	1SBD250032U1000
DNV-certificaat	DNV_TAE00001AF-4
EAC-certificaat	EAC_RU_FRME77B03447

GOST-certificaat	GOST_POCCFR.ME77.B07175.pdf
KC-certificaat	KC_HW02016-15008C
LR-certificaat	LRS_LR2002723TA-02
RINA-certificaat	RINA_ELE240318XG
RMRS-certificaat	RMRS_1802705280
UL-certificaat	UL-US-L319322-13-72119002-3 UL-CA-L319322-43-72119002-3
UL-noteringskaart	UL_E319322

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	0.27 kg
Pakketniveau 1 EAN	3471523115118
Pakketniveau 2 Units	doos 27 stuk
Pakketniveau 2 Breedte	250 mm
Pakketniveau 2 Lengte	300 mm
Pakketniveau 2 Hoogte	315 mm
Pakketniveau 2 Brutogewicht	14.58 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 categoriegcode)	4758 >> Iec Contactors
E-Number (Finland)	3705810
E-Number (Sweden)	3211465

Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars

