

PRODUCT-DETAILS

AFS750-30-12-70

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Algemene informatie

Type	AFS750-30-12-70
Artikelnummer	1SFL637081R7012
EAN	7320500540794
Omschrijving	AFS750-30-12-70

Omschrijving	<p>The AFS750-30-12-70 is a 3 pole - 1000 V IEC or 600 V UL contactor with pre-mounted 1 left (1 N.O + 1 N.C.) and fixed 1 right (1 N.C.) side mounted auxiliary contact blocks with Main Circuit Bars connections, controlling motors up to 400 kW / 400 V AC (AC-3) or 600 hp / 480 V UL and switching power circuits up to 1050 A (AC-1) or 900 A UL general use. AFS contactors can be easily integrated in machine manufacturer's systems complying with main standards EN ISO 13849 and EN 62061 - guaranteeing the safe use of your machinery and equipment. An easily identifiable yellow low energy auxiliary contact block ensures the status feedback circuits required in machine safety applications. Thanks to the AF technology, the contactor has a wide control voltage range (100-250 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

Gegevensblad, technische informatie	1SBC100208C02_
Instructies en handleidingen	1SFC380023-en
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product netto breedte	210 mm
Product netto diepte	242 mm
Product netto hoogte	283 mm
Product netto gewicht	10 kg

Technical

Aantal hoofdcontacten NO	3
Aantal hoofdcontacten NC	0
Aantal hulpcontacten NO	1
Aantal hulpcontacten NC	2
Nominaal bedrijfsvoltage	Main Circuit 1000 V
Toegekende frequentie (f)	Main Circuit 50 / 60 Hz
Conventionele vrije-lucht thermische stroom (I_{th})	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 1050 A
Nominale bedrijfsstroom AC-1 (I_e)	(1000 V) 40 °C 1000 A (1000 V) 55 °C 875 A (1000 V) 70 °C 720 A (690 V) 40 °C 1050 A (690 V) 55 °C 875 A (690 V) 70 °C 720 A
Nominale bedrijfsstroom AC-3 (I_e)	(415 V) 55 °C 750 A (440 V) 55 °C 750 A (500 V) 55 °C 750 A (690 V) 55 °C 650 A (1000 V) 55 °C 300 A (380 / 400 V) 55 °C 750 A (220 / 230 / 240 V) 55 °C 750 A
Nominale bedrijfsvermogen AC-3 (P_e)	(415 V) 425 kW (440 V) 450 kW (500 V) 520 kW (690 V) 600 kW (1000 V) 400 kW (380 / 400 V) 400 kW (220 / 230 / 240 V) 220 kW
Nominale remcapaciteit AC-3 volgens IEC 60947-4-1	8 x 1e AC-3
Nominaal inschakelvermogen AC-3 volgens IEC 60947-4-1	10 x 1e AC-3
Beschermende apparaten met kortsluiting	gG Type Fuses 1000 A

Nominale kortstondige grensstrom (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 6400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 1300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 3500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 7000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 4500 A
Maximale breekcapaciteit	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 7500 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 7000 A
Maximale elektrische schakelfrequentie	(AC-1) 300 omwentelingen per uur (AC-2 / AC-4) 60 omwentelingen per uur (AC-3) 300 omwentelingen per uur
Nominale bedrijfsstroom DC-1 (I_e)	(110 V) 1-Pole, 40 °C 1050 A (110 V) 2 Poles in Series, 40 °C 1050 A (220 V) 3 Poles in Series, 40 °C 1050 A (600 V) 3 Poles in Series, 40 °C 1050 A (850 V) 3 Poles in Series, 40 °C 1050 A
Nominale bedrijfsstroom DC-3 (I_e)	(110 V) 1-Pole, 40 °C 1050 A (110 V) 2 Poles in Series, 40 °C 1050 A (220 V) 3 Poles in Series, 40 °C 1050 A (600 V) 3 Poles in Series, 40 °C 1050 A (850 V) 3 Poles in Series, 40 °C 1050 A
Nominale bedrijfsstroom DC-5 (I_e)	(110 V) 1-Pole, 40 °C 1050 A (110 V) 2 Poles in Series, 40 °C 1050 A (220 V) 3 Poles in Series, 40 °C 1050 A (600 V) 3 Poles in Series, 40 °C 1050 A (850 V) 3 Poles in Series, 40 °C 1050 A
Nominaal isolatievoltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Nominale impuls grensvoltage (U_{imp})	Main Circuit 8 kV
Mechanische duurzaamheid	5 million
Maximale mechanische schakelfrequentie	300 omwentelingen per uur
Spoel operationele limieten	(acc. to IEC 60947-4-1) 0.85 x U_c Min. ... 1.1 x U_c Max. (at $\theta \leq 70$ °C)
Nominale stuurstroomkringspanning (U_c)	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V
Spoelverbruik	Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V-A Holding at Max. Rated Control Circuit Voltage DC 5.5 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 880 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 880 V-A Pull-in at Max. Rated Control Circuit Voltage DC 880 V-A
Bedieningstijd	Between Coil De-energization and NC Contact Closing 50 ... 70 ms Between Coil De-energization and NO Contact Opening 53 ... 73 ms Between Coil Energization and NC Contact Opening 45 ... 115 ms Between Coil Energization and NO Contact Closing 50 ... 120 ms
Verbindingscapaciteit hoofdcircuit	Bar 52 mm ² Rigid Al-Cable 300 mm ² Rigid Cu-Cable 300 mm ²
Verbindingscapaciteit hulpcircuit	Flexible with Ferrule 2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm ² Flexible 1x0.75 ... 2.5 mm ² Solid 2 x 1 ... 4 mm ² Stranded 2 x 1 ... 4 mm ²
Beschermingsgraad	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminaltype	Main Circuit: Bars

Technical UL/CSA

NEMA-grootte	7
Horsepower Rating NEMA	(230 V AC) Three Phase 300 Hp (460 V AC) Three Phase 600 Hp (575 V AC) Three Phase 600 Hp
Maximale bedrijfsspanning UL/CSA	Main Circuit 600 V
Algemeen gebruik klasse UL/CSA	(1000 V AC) 900 A (600 V AC) 900 A
Paardenkrachtklasse UL/CSA	(200 ... 208 V AC) Three Phase 250 hp (220 ... 240 V AC) Three Phase 300 hp (440 ... 480 V AC) Three Phase 600 hp (550 ... 600 V AC) Three Phase 700 hp

Environmental

Omgevingsluchttemperatuur	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25 ... 50 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40 ... 70 °C bij schakelaar voor opslag -40 ... 70 °C
Maximale werkhoogte toegestaan	Without Derating 3000 m
RoHS-status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Certificates and Declarations

CB-certificaat	SE-82863
CQC-certificaat	CQC2007010304256684
Declaration of Conformity - CCC	2020980304001301
Conformiteitsverklaring - CE	2CMT2018-005695
Declaration of Conformity - UKCA	2CMT2020-006125
EAC-certificaat	1SFC101360D1101
SUVA Certificate	2CMT2019-005860
UL-certificaat	UL_20111101-E36588

Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	280 mm
Pakketniveau 1 Lengte	375 mm
Pakketniveau 1 Hoogte	310 mm
Pakketniveau 1 Bruto gewicht	12 kg
Pakketniveau 1 EAN	7320500540794

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)	4755 >> Contactors
E-Number (Finland)	3709052

Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars

