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 PRODUCT-DETAILS

# DRAF09-13N 100-250V50/60HZ

## DRAF09-13N 100-250V50/60HZ Contactor Starter




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**General Information**

Extended Product Type	DRAF09-13N 100-250V50/60HZ
Product ID	1SBK134137R1300
EAN	3471522144539
Catalog Description	DRAF09-13N 100-250V50/60HZ Contactor Starter
Long Description	<p>The DRAF09-13N is an enclosed Direct-On-Line starter with an AF contactor used for controlling 3-phase asynchronous motors up to 690 V AC. Each starter is delivered assembled and wired. It contains:</p> <ul style="list-style-type: none"> <li>• IP66 and type 4X plastic enclosure with double insulation, equipped with:           <ul style="list-style-type: none"> <li>- 1 green flush "I" ON button and 1 red protruding "O" OFF/RESET button</li> </ul> </li> <li>- 4 cable inlets and outlets via knockouts: mm cable inlet/outlet suitable for IEC starter types.           <ul style="list-style-type: none"> <li>• 1 AF09-30-10-13 3-pole contactor with holding contact</li> <li>• DRAF..N with phase-to-neutral control supply:               <ul style="list-style-type: none"> <li>AC control supply: 100-250V50/60HZ</li> <li>• 1 CB5-10 start contact block</li> <li>• 1 PE and 1 neutral terminal</li> </ul> </li> </ul> </li> <li>• TF42 thermal overload relay to be ordered separately and chosen according to motor's nominal current.</li> </ul>

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**Ordering**

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Product Main Type	DRAF09

**Popular Downloads**

Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	1SBC101048M6801
Instructions and Manuals (Part 2)	1SAC200017M0002
CAD Dimensional Drawing	2CDC001079B0201

**Dimensions**

Product Net Width	107 mm
Product Net Depth / Length	131 mm
Product Net Height	230 mm
Product Net Weight	0.82 kg

**Technical**

Coil Consumption	Holding at Max. Rated Control Circuit Voltage 60 Hz 100 V-A
Connecting Capacity Auxiliary Circuit	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>
Connecting Capacity Control Circuit	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 1x 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>
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 0.75 ... 6 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 4 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup> Rigid Solid 1/2x 1 ... 4 mm <sup>2</sup> Rigid Stranded 1/2x 1 ... 6 mm <sup>2</sup>
Housing Material	ABS
Number of Auxiliary Contacts NC	0
Number of Auxiliary Contacts NO	1
Number of Main Contacts NC	0
Number of Main Contacts NO	3
Number of Poles	3P
Pollution Degree	3
Rated Control Circuit Voltage (U <sub>c</sub> )	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC 60947-4-1 690 V acc. to IEC 60947-5-1 690 V
Rated Operational Current AC-1 (I <sub>e</sub> )	(690 V) 40 °C 25 A (690 V) 60 °C 25 A (690 V) 70 °C 22 A
Rated Operational Current AC-3 (I <sub>e</sub> )	(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

Rated Operational Current AC-3e (I <sub>e</sub> )	(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
Rated Operational Power AC-3 (P <sub>e</sub> )	(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
Rated Operational Power AC-3e (P <sub>e</sub> )	(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
Terminal Type	Screw Terminals

## Technical UL/CSA

Pilot Duty UL/CSA	A600 Q600
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## Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## Certificates and Declarations

Declaration of Conformity - CE	1SBD250009U1000
Declaration of Conformity - UKCA	1SBD250040U1000
UL Certificate	UL_20150729-E312527-16-1
UL Listing Card	UL E312527

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	243 mm
Package Level 1 Depth / Length	112 mm
Package Level 1 Height	143 mm
Package Level 1 Gross Weight	0.82 kg
Package Level 1 EAN	3471522144539

## External Classifications and Standards

eClass	V11.0 : 27371205
E-Number (Finland)	3709762
ETIM 6	EC000200 - Enclosure for control circuit devices

ETIM 7	EC000200 - Enclosure for control circuit devices
ETIM 8	EC000200 - Enclosure for control circuit devices
ETIM 9	EC000200 - Enclosure for control circuit devices
IDEA Granular Category Code (IGCC)	4727 >> Motor starter controls
UNSPSC	39121521

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## Categories

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Low Voltage Products and Systems → Control Products → Contactor Starters → Enclosed Starters

