

PRODUCT-DETAILS

ESB25-40N-14

ESB25-40N-14 Installation Contactor



General Information	
Extended Product Type	ESB25-40N-14
Product ID	1SAE231111R1440
EAN	4013614518096
Catalog Description	ESB25-40N-14 Installation Contactor
Long Description	The ESB25N installation contactors are used to control single and three-phase loads up to 25 A and can be operated by AC or DC. These contactors are made for use in household applications as well as in industrial environments. The following benefits are provided: Hum-free operation, low power consumption and integrated overvoltage protection. Various contact combinations and accessories are available.

Ordering	
Package Level 1 EAN	4013614524400
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Popular Downloads	
Instructions and	2CDC103043M6801
Manuals	

Dimensions	
Product Net Width	36 mm
Product Net Height	85 mm
Product Net Depth / Length	65 mm
Product Net Weight	0.245 kg

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Technical	
Rated Operational Voltage	Main Circuit 220 V DC Main Circuit 400 V AC
Rated Control Circuit Voltage (U _c)	12 V
Rated Frequency (f)	Control Circuit 400 Hz Control Circuit 50 Hz Control Circuit 60 Hz Control Circuit DC Main Circuit 50 Hz Main Circuit 60 Hz Main Circuit DC
Rated Operational Current AC-1 (I_e)	(NO) 25 A
Rated Operational Current AC-3 (I _e) Rated Operational Power AC-1 (P _e)	(230 V) Single Phase, NO 9 A (400 V) Three Phase, NO 9 A (230 V) Single Phase, NO 5.8 kW (400 V) Three Phase, NO 17.3 kW
Rated Operational Power AC-3 (P _e)	(230 V) Single Phase, NO 1.3 kW (400 V) Three Phase, NO 4 kW
Rated Operational Current AC-7a (I _e)	(NO) 25 A
Rated Operational Power AC-7a (P _e)	(230 V) Single Phase, NO 5.8 kW (400 V) Three Phase, NO 17.3 kW
Rated Operational Current AC-7b (I _e)	(230 V) Single Phase, NO 9 A (400 V) Three Phase, NO 9 A
Rated Operational Power AC-7b (P _e)	(230 V) Single Phase, NO 1.3 kW (400 V) Three Phase, NO 4 kW
Recommended Screw Driver	Control Circuit Pozidriv 1 Main Circuit Pozidriv 1
Rated Impulse Withstand Voltage (U _{imp})	6 kV
Rated Insulation Voltage (U ₁)	500 V
Connecting Capacity Main Circuit	Flexible with Ferrule 1x 1.5 10 mm² Flexible with Ferrule 2x 1.5 2.5 mm² Flexible with Insulated Ferrule 1x 1.5 10 mm² Flexible with Insulated Ferrule 2x 1.5 mm² Flexible 1x 1.5 10 mm² Flexible 2x 1.5 4 mm² Rigid 1x 1.5 10 mm² Rigid 2x 1.5 4 mm²
Connecting Capacity Control Circuit	Flexible with Ferrule 1x 1 2.5 mm² Flexible with Ferrule 2x 0.75 1 mm² Flexible with Insulated Ferrule 1x 1 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 1 mm² Flexible 1x 1 4.0 mm² Flexible 2x 1 2.5 mm² Rigid 1x 1 4 mm² Rigid 2x 1 2.5 mm²
Tightening Torque	Control Circuit 0.9 N·m Main Circuit 1 N·m
Wire Stripping Length	Control Circuit 7 mm Main Circuit 10 mm
Degree of Protection	IP20
Electrical Durability	AC-1 (NO) 130000 cycle

	AC-3 (NO) 500000 cycle
	AC-7a (NO) 130000 cycle
	AC-7b (NO) 500000 cycle
Mechanical Durability	1000000 cycle
Number of Poles	4
Number of Main	0
Contacts NC	
Number of Main	4
Contacts NO	
Width in Number of	2
Modular Spacings	
Pollution Degree	3
Standards	IEC/EN 60947-1
	IEC/EN 60947-4-1
	IEC/EN 61095
	UL 60947-1
	UL 60947-4-1

Maximum Operating Voltage UL/CSA	Main Circuit 480 V AC
Horsepower Rating	(220 240 V AC) Single Phase, NO 1 Hp
UL/CSA	(220 240 V AC) Three Phase, NO 3 Hp
	(440 480 V AC) Single Phase, NO 2 Hp
	(440 480 V AC) Three Phase, NO 5 Hp
Connecting Capacity	Solid 16-8 AWG
Main Circuit UL/CSA	Stranded 16-8 AWG
Connecting Capacity	Solid 16-10 AWG
Control Circuit UL/CSA	Stranded 16-10 AWG
Tightening Torque	Control Circuit 8 in-lb
UL/CSA	Main Circuit 9 in lb

Environmental	
Ambient Air Temperature	Operation -25 +55 °C Storage -40 +80 °C
Maximum Operating Altitude Permissible	2000 m
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 15g
RoHS Status	Following EU Directive 2011/65/EU

ABS Certificate	1SAA920000-0101
CB Certificate	1SAA920004-2001
CQC Certificate	CQC2017010304993564 CQC2017010304993565
cULus Certificate	cUL_E191658
Declaration of Conformity - CCC	2020980304001312 2020980304001314
Declaration of Conformity - CE	1SAD938506-0302
Declaration of Conformity - UKCA	1SAD938500-1302
DNV Certificate	1SAA920000-0306
EAC Certificate	1SAA920001-2702
Environmental Information	1SAC200063H0009
Instructions and Manuals	2CDC103043M6801

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NF Certificate	1SAA920001-1202
RINA Certificate	1SAA920000-0801
RMRS Certificate	1SAA920000-0705
RoHS Information	1SAD938506-0302

Container Information	
Package Level 1 Units	1 piece
Package Level 1 Width	92 mm
Package Level 1 Height	69.5 mm
Package Level 1 Depth / Length	39 mm
Package Level 1 Gross Weight	0.245 kg
Package Level 1 EAN	4013614524400
Package Level 2 Units	60 piece
Package Level 2 Width	280 mm
Package Level 2 Height	210 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Gross Weight	15.4 kg
Package Level 2 EAN	4013614538797

Classifications	
Object Classification Code	Q
ETIM 5	EC001653 - Installation contactor for distribution board
ETIM 6	EC001653 - Installation contactor for distribution board
ETIM 7	EC001653 - Installation contactor for distribution board
eClass	V11.0 : 27142308
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4759 >> Installation contactor for distribution board

Categories

 $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Control\ Products\ \rightarrow\ Contactors\ \rightarrow\ Installation\ Contactors$ $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Modular\ DIN\ Rail\ Products\ \rightarrow\ Command\ and\ Signalling\ devices\ \rightarrow\ Installation\ Contactors$

