

PRODUCT-DETAILS

ESB63-40N-DC-B

ESB63-40N-DC-B Installation Contactor



General Information

Extended Product Type	ESB63-40N-DC-B
Product ID	1SAE351221M0140
Catalog Description	ESB63-40N-DC-B Installation Contactor
Long Description	The ESB63..N installation contactors are used to control single and three-phase loads up to 63 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	4013614553417
Minimum Order Quantity	4 piece
Customs Tariff Number	85365080

Popular Downloads

Data Sheet, Technical Information	2CDC103064D0201
Instructions and Manuals	2CDC103043M6801

Dimensions

Product Net Width	54 mm
Product Net Height	85 mm
Product Net Depth / Length	65 mm
Product Net Weight	0.405 kg

Technical

Rated Operational Voltage	Main Circuit 400 V AC
Rated Control Circuit Voltage (U_c)	24 V DC
Rated Frequency (f)	Control Circuit DC Main Circuit 50 Hz Main Circuit 60 Hz
Rated Operational Current AC-1 (I_e)	for Air Temperature Near the Contactor = 85 °C, 2 Poles in Parallel 80 A for Air Temperature Near the Contactor = 55 °C 63 A for Air Temperature Near the Contactor = 85 °C 40 A
Rated Operational Power AC-1 (P_e)	(230 V) Single Phase, NO 14.5 kW (400 V) Three Phase, NO 43.6 kW
Recommended Screw Driver	Control Circuit Pozidriv 1 Main Circuit Pozidriv 2
Rated Impulse Withstand Voltage (U_{imp})	6 kV
Rated Insulation Voltage (U_i)	500 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 500 V acc. to UL/CSA 500 V
Connecting Capacity Main Circuit	Flexible with Ferrule 1x 1.5 ... 16 mm ² Flexible with Ferrule 2x 1.5 ... 10 mm ² Flexible with Insulated Ferrule 1x 1.5 ... 16 mm ² Flexible with Insulated Ferrule 2x 1.5 ... 10 mm ² Flexible 2x 1.5 ... 10 mm ² Flexible 1x 1.5 ... 16 mm ² Rigid 1x 1.5 ... 25 mm ² Rigid 2x 1.5 ... 10 mm ²
Connecting Capacity Control Circuit	Flexible with Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Ferrule 2x 0.75 ... 1.0 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1 mm ² Flexible 1x 1 ... 4.0 mm ² Flexible 2x 1 ... 2.5 mm ² Rigid 1x 1 ... 4 mm ² Rigid 2x 1 ... 2.5 mm ²
Tightening Torque	Control Circuit 0.9 N·m Main Circuit 2.5 N·m
Wire Stripping Length	Control Circuit 7 mm Main Circuit 13 mm
Degree of Protection	IP20
Mechanical Durability	1000000 cycle
Number of Poles	4
Number of Auxiliary Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Main Contacts	0

NC

Number of Main Contacts NO	4
Width in Number of Modular Spacings	3
Standards	GB/T 14048.4 IEC/EN 60947-4-1

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 480 V AC
Connecting Capacity Main Circuit UL/CSA	Solid 16-4 AWG Stranded 16-4 AWG
Connecting Capacity Control Circuit UL/CSA	Solid 16-10 AWG Stranded 16-10 AWG
Tightening Torque UL/CSA	Control Circuit 8 in-lb Main Circuit 20 in-lb

Environmental

Ambient Air Temperature	Close to Contactor for Holding with 0.5 Uc after Pull-in with 1.0 ... 1.1 Uc -40 ... +85 °C Close to Contactor for Operation at 0.75 ... 1.1 Uc -40 ... +40 °C Close to Contactor for Operation at 0.85 ... 1.1 Uc -40 ... +55 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	With 90% Main Pole Derating 5000 m With 95% Main Pole Derating 4000 m With 98% Main Pole Derating 3000 m Without Derating 2000 m
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 15g
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

CB Certificate	1SAA920005-2001
CQC Certificate	CQC2017010304993562 CQC2017010304993563
Declaration of Conformity - CCC	2020980304001310 2020980304001313
Declaration of Conformity - CE	1SAD938506-0302
Declaration of Conformity - UKCA	1SAD938501-1302
Environmental Information	1SAC200065H0009
Instructions and Manuals	2CDC103043M6801
RoHS Information	1SAD938506-0302

Container Information

Package Level 1 Units	4 piece
Package Level 1 Width	88 mm
Package Level 1 Height	69.5 mm

Package Level 1 Depth / Length	222 mm
Package Level 1 Gross Weight	1.67 kg
Package Level 1 EAN	4013614553417

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 → Control Products → Contactors → Installation Contactors	
Low Voltage Products and Systems → Modular DIN Rail Products → Command and Signalling Devices → Installation Contactors	

