

PRODUCT-DETAILS

NSL40E-86 NSL40E-86 110VDC Contactor Relay



Extended Product Type	NSL40E-86
Product ID	1SBH103001R8640
EAN	3471523056268
Catalog Description	NSL40E-86 110VDC Contactor Relay
Long Description	 NSL contactor relays are used for switching auxiliary circuits and control circuits Poles and auxiliary contacts blocks: 4-pole contactor relays, front-mounted add-on auxiliary contact blocks (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947- 5-1) - Control circuit: DC operated with solid core magnet circuit. The polarity on the coil terminals (A1+ and A2-) must be respected - Accessories: a wide range of accessories is available NSL contactors are fitted with low consumption DC coils and are suitable for a direct control by PLC outputs.
Ordering	
Minimum Order Quantity	40 piece
Customs Tariff Number	85364900
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Popular Downloads	

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2024/04/15

Subject to change without notice

Dimensions	
Product Net Width	45 mm
Product Net Depth / Length	72.5 mm
Product Net Height	68 mm
Product Net Weight	0.28 kg

Technical	
Number of Auxiliary Contacts NO	4
Number of Auxiliary Contacts NC	0
Standards	IEC 60947-5-1 and EN 60947-5-1, UL 508, CSA C22.2 N°14
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-5-1, Θ = 40 °C 10 A
Rated Operational Current AC-15 (I _e)	(500 V) NC 2 (500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (400 / 440 V) 3 A
Rated Short-time Withstand Current Low Voltage (I _{cw})	for 0.1 s 140 A for 1 s 100 A
Maximum Electrical Switching Frequency	(AC-15) 1200 cycles per hour (DC-13) 900 cycles per hour
Rated Operational Current DC-13 (I _e)	(24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 1 A / 72 W (110 V) 0.55 A / 60 W (125 V) 0.55 A / 69 W (220 V) 0.27 A / 68 W (250 V) 0.27 A / 68 W
Rated Insulation Voltage (U_i)	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U _{imp})	Auxiliary Circuit 6 kV
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U _c)	DC Operation 110 V
Operate Time	Between Coil De-energization and NC Contact Closing 15 20 ms Between Coil De-energization and NO Contact Opening 13 17 ms Between Coil Energization and NC Contact Opening 31 53 ms Between Coil Energization and NO Contact Closing 36 59 ms
Connecting Capacity Auxiliary Circuit	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 1/2x 0.75 2.5 mm ²
Connecting Capacity Control Circuit	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 1/2x 0.75 2.5 mm ²
Wire Stripping Length	Auxiliary Circuit 9 mm Control Circuit 9 mm
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Terminal Type	Screw Terminals

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Technical UL/CSA

Tightening Torque UL/CSA Auxiliary Circuit 9 in·lb Control Circuit 9 in·lb

Environmental	
Ambient Air Temperature	Close to Contactor for Storage -60 +80 °C Near Contactor for Operation in Free Air -40 70 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible	Without Derating 3000 m
Resistance to Shock acc. to IEC 60068-2-27	Closed, Shock Direction: A 20 g Closed, Shock Direction: B1 15 g Closed, Shock Direction: C1 19 g Closed, Shock Direction: C2 14 g Open, Shock Direction: A 10 g Open, Shock Direction: B1 5 g Open, Shock Direction: C1 8 g Open, Shock Direction: C2 8 g Shock Direction: B2 10 g
Resistance to Vibrations	3g Closed Position & 2g Open Position 5 300 Hz
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
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
Certificates and Declarations	
CB Certificate CCC Certificate	CB_CN_32453 CCC_2007010305248106
CQC Certificate	CQC2007010305248106
Declaration of Conformity - CCC	2020980304001219
Declaration of Conformity - CE	1SBD250016U1000
Declaration of Conformity - UKCA	1SBD250051U1000
GOST Certificate	GOST_POCCCNME77B07821.pdf
UL Certificate	UL_220108-E312527A
UL Listing Card	NOA E312527.pdf
Container Information	
Package Level 1 Units	1 piece

 Package Level 1 Width
 78 mm

 Package Level 1 Depth /
 80 mm

 Length
 48 mm

 Package Level 1 Height
 48 mm

 Package Level 1 Gross
 0.28 kg

 Weight
 3471523056268

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Package Level 2 Units	40 piece
Package Level 2 Width	250 mm
Package Level 2 Depth / Length	315 mm
Package Level 2 Height	195 mm
Package Level 2 Gross Weight	11.2 kg
Package Level 3 Units	960 piece

Classifications		
Object Classification Code	K	
ETIM 4	EC000196 - Contactor relay	
ETIM 5	EC000196 - Contactor relay	
ETIM 6	EC000196 - Contactor relay	
ETIM 7	EC000196 - Contactor relay	
ETIM 8	EC000196 - Contactor relay	
eClass	V11.0 : 27371001	
UNSPSC	39121529	
IDEA Granular Category Code (IGCC)	4755 >> Contactors	

Categories

 $\text{Low Voltage Products and Systems} \rightarrow \text{Control Products} \rightarrow \text{Contactors} \rightarrow \text{Block Contactors} \rightarrow \text{NS Contactor Relays} \rightarrow \text{NSL}$

