

PRODUCT-DETAILS

NF40E-11

NF40E-11 24-60V50/60HZ 20-60VDC

Contacteur Relay



Informações gerais

Tipo de produto alargado	NF40E-11
ID do produto	1SBH137001R1140
EAN	3471523100015
Descrição do catálogo	NF40E-11 24-60V50/60HZ 20-60VDC Contacteur Relay
Descrição longa	NF contactor relays are used for switching auxiliary and control circuits. NF contactor relays include an electronic coil interface accepting a wide control voltage U_c min. ... U_c max. Only four coils cover control voltages between 24...500 V 50/60 Hz or 20...500 V DC. NF contactor relays can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. NF contactor relays have built-in surge protection and do not require additional surge suppressors. - Poles: 4-pole contactor relays - Control Circuit: AC or DC operated - Accessories: a wide range of Accessories is available. Note: NF..E-11 not suitable for a direct control by PLC-output. NF..E-11 type available in some countries: please consult your ABB representative.

Ordering

Quantidade Mínima de Encomenda	1 piece
Número de tarifa aduaneira	85364900

Popular Downloads

Instruções e Manuais	1SBC101027M6801
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Dimensions

Largura Líquida do Produto	45 mm
Profundidade/Comprimento Líquidos do Produto	77 mm
Altura Líquida do Produto	86 mm
Peso Líquido do Produto	0.27 kg

Technical

Number of Auxiliary Contacts NO	4
Number of Auxiliary Contacts NC	0
Normas	IEC 60947-5-1 and EN 60947-5-1, UL 508, CSA C22.2 N°14
Tensão operacional nominal	Auxiliary Circuit 690 V
Frequência nominal (f)	Auxiliary Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-5-1, $q = 40\text{ °C}$ 16 A
Rated Operational Current AC-15 (I_e)	(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 / 60 W (250 V) 0.27 A / 68 W (400 V) 0.15 A / 60 W (500 V) 0.13 A / 65 W (600 V) 0.1 A / 60 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})	6 kV
Maximum Mechanical Switching Frequency	6000 cycles per hour
Rated Control Circuit Voltage (U_c)	50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V
Operate Time	Between Coil De-energization and NC Contact Closing 13 ... 98 ms Between Coil De-energization and NO Contact Opening 11 ... 95 ms Between Coil Energization and NC Contact Opening 38 ... 90 ms Between Coil Energization and NO Contact Closing 40 ... 95 ms
Montagem na calha DIN	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied)	2 x M4 screws placed diagonally
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Rigid 1/2x 1 ... 2.5 mm ²

Connecting Capacity	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ²
Control Circuit	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 1 ... 2.5 mm ²
Wire Stripping Length	Auxiliary Circuit 10 mm
	Control Circuit 10 mm
Grau de proteção	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Tipo de terminal	Screw Terminals

Technical UL/CSA

Tightening Torque	Auxiliary Circuit 11 in-lb
UL/CSA	Control Circuit 11 in-lb

Environmental

Temperatura do ar ambiente	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
Altitude de operação máxima permissível	Without Derating 3000 m
Resistance to Vibrations acc. to IEC 60068-2-6	5 ... 300 Hz 4 g closed position / 2 g open position
Resistência ao Choque de acordo com IEC 60068-2-27	Closed, Shock Direction: B1 25 g
	Open, Shock Direction: B1 5 g
	Shock Direction: A 30 g
	Shock Direction: B2 15 g
	Shock Direction: C1 25 g
	Shock Direction: C2 25 g
Estado RoHS	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

Certificado ABS	ABS_20-2060694-PDA
Certificado BV	BV_2634H24899B0
CB Certificate	CB_SE-93051M2
CCC Certificate	2020980303000185
CQC Certificate	CQC2019010303267993
Certificado cUL	UL_20180227_E252354_2_1
Declaration of Conformity - CCC	CQC2011010303465426
Declaração de conformidade -CE	1SBD250005U1000
Declaration of Conformity - UKCA	1SBD250036U1000
Certificado DNV	DNV-GL_TAE00001BV-3
DNV GL Certificate	DNV-GL_TAE00001BV-3
EAC Certificate	EAC_RU C-FR ME77 B03544
Informação ambiental	1SBD250151E1000
	1SBC100222M0201
Certificado GL	DNV-GL_TAE00001BV-3
Certificado GOST	GOST_POCCFR.ME77.B06804.pdf
Instruções e Manuais	1SBC101027M6801
KC Certificate	KC-HW02016-21031A
Certificado LR	LRS_C1400038
Certificado RINA	RINA_ELE240318XG
Certificado RMRS	RMRS_1802702280
Informação RoHS	1SBD250005U1000
Certificado UL	UL_20130206-E252354-2-1

UL Listing Card

UL_E252354

Container Information

Unidades de embalagem Nível 1	box 1 piece
Largura da embalagem Nível 1	87 mm
Profundidade/Comprimento da embalagem Nível 1	79 mm
Altura da embalagem Nível 1	47 mm
Peso bruto da embalagem Nível 1	0.27 kg
Nível de Embalagem 1 EAN	3471523100015
Unidades de embalagem Nível 2	box 27 piece
Largura da embalagem Nível 2	250 mm
Profundidade/Comprimento da embalagem Nível 2	300 mm
Altura da embalagem Nível 2	315 mm
Peso bruto da embalagem Nível 2	14.58 kg
Package Level 3 Units	1296 piece

Classifications

Código de classificação do objeto	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 : 27371003
E-Number (Finland)	3705815
E-Number (Sweden)	3211472

Categorias

Produtos e Sistemas de Baixa Tensão → Produtos para controle → Contatores → Contatores

