



PRODUCT-DETAILS

# NF71E-11

## NF71E-11 24-60V50/60HZ 20-60VDC

### Reläkontaktor



Generell information	
Utökad produkttyp	NF71E-11
Artikelnummer	1SBH137001R1171
EAN	3471523100411
Katalogbeskrivning	NF71E-11 24-60V50/60HZ 20-60VDC Reläkontaktor
Beskrivning, lång	<p>The NF71E-11 is a 690 V IEC or 600 UL 8-pole contactor relay with screw terminals, used for switching auxiliary and control circuits.</p> <p>Thanks to the AF technology, the contactor relay has a wide control voltage range (24-60 V 50/60 Hz and 20-60 V DC), managing large control voltage variations, reducing panel energy consumptions and ensuring distinct operations in unstable networks. Furthermore, surge protection is built-in, offering a compact solution. NF contactor relays have a block type design, can be easily extended with add-on auxiliary contact blocks and an additional wide range of accessories.</p> <p>These contactor relays include mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1 and are side-marked with the "Mechanically Linked" symbol.</p>
Beställningsdata	
Min. kvantitet	1 styck

Populära dokument	
Datablad, teknisk information	1SBC100214C0202
Instruktioner och manualer	1SBC101027M6801
CAD Dimensional Drawing	2CDC001079B0201
Dimensioner	
Bredd netto	45 mm
Djup netto	110.5 mm
Höjd netto	86 mm
Nettovikt	0.32 kg
Teknisk data	
Antal hjälpkontakter NO	7
Antal hjälpkontakter NC	1
Antal poler	8P
Standarder	IEC/EN 60947-1, IEC/EN 60947-5-1, UL 60335-2-40 LZGH2 A2L, UL 508, CSA C22.2 No. 60335-2-40 LZGH2 A2L, CSA C22.2 No. 14-13
Märkdriftspänning	Auxiliary Circuit 690 V
Märkfrekvens (f)	Auxiliary Circuit 50 / 60 Hz Control Circuit 50 / 60 Hz
Termisk märkström i luft lth (lth)	acc. to IEC 60947-5-1, $\Theta = 40\text{ °C}$ 16 A
Märkdriftström AC-15 (Ie )	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (400 / 440 V) 3 A
Mäskström DC-13 (Ie)	(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
Korttidsström (Icw)	for 0.1 s 140 A for 1 s 100 A
Märkisolationsspänning (Ui)	acc. to IEC 60947-5-1 690 V acc. to UL/CSA 600 V
Märkstötspänning (Uimp )	6 kV
Maximal elektrisk kopplingsfrekvens	(AC-15) 1200 cykler per timme (DC-13) 900 cykler per timme
Maximal mekanisk kopplingsfrekvens	6000 cykler per timme
Manöverspänning (Uc)	50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V
Tid mellan spolens fråslag och öppen kontakts slutande [ms]	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

Monteras på DIN skena	35 mm x 15 mm monteringsskena 35 mm x 7.5 mm monteringsskena
Monteras med skruv (ej medskickat)	2 x M4 screws placed diagonally
Anslutningsbar area hjälpkontakt	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>
Anslutningsbar area manöverkrets	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>
Skalningslängd	Auxiliary Circuit 10 mm Control Circuit 10 mm
Skyddsform	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Åtdragningsmoment	Auxiliary Circuit 1.2 N·m Control Circuit 1.2 N·m
Plinttyp	Screw Terminals
Produktnamn	Block Contactor Relay

Technical UL/CSA

Connecting Capacity	Rigid Solid 1/2x 18-14 AWG
Auxiliary Circuit UL/CSA	Rigid Stranded 1/2x 18-14 AWG
Åtdragningsmoment UL/CSA	Auxiliary Circuit 11 in·lb Control Circuit 11 in·lb

Miljö

Omgivningstemperatur luft	för lagerhållen kontaktor -60 ... +80 °C för kontaktor -40 ... 70 °C
Klimathållfasthet	Category B according to IEC 60947-1 Annex Q
Maximalt tillåten installationshöjd över havet	Without Derating 3000 m
Chockhållfasthet enligt IEC 68-2-27	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
Vibrationshållfasthet enligt IEC 60068-2-6	4g Closed Position & 2g Open position 5 ... 300 Hz
Miljökrav	3

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

## ABB EcoSolutions

End Of Life Disassembling Instructions	1SBC101080M6801
Environmental Product Declaration - EPD	1SBD250584E3000
Sustainable Material Content in Packaging (wt. %)	Recycled Cardboard - 86 %
Sustainable Material Content in Product (wt. %)	Recycled Metal - 28 %

## Certifikat och deklarationer

A2L Certificate – UL	9AKK108469A4900 9AKK108469A4902
ABS-certifikat	ABS_20-2060694-PDA
BV-certifikat	BV_2634H24899C0
CB-certifikat	CB_SE-93051M2
CCC-certifikat	2020980303000185
CQC-certifikat	CQC2019010303267993
Declaration of Conformity - CCC	CQC2011010303465426
Intyg om överensstämmelse - CE	1SBD250005U1000
Declaration of Conformity - UKCA	1SBD250036U1000
DNV-certifikat	DNV_TAE00001BV-5
EAC-certifikat	EAC_RU C-FR ME77 B03544
GOST-certifikat	GOST_POCCFR.ME77.B06804.pdf
LR-certifikat	LRS_LR2003684TA-02
RINA-certifikat	RINA_ELE142224XG
RMRS-certifikat	RMRS_1802702280
UL-certifikat	UL_20180227_E252354_2_1
UL Listing Card	UL_E252354

## Förpackningsinformation

Förpackning 1 - enheter	box 1 styck
Förpackning 1 - bredd	87 mm
Förpackning 1 - längd	113 mm
Förpackning 1 - höjd	47 mm
Förpackning 1 - bruttovikt	0.32 kg
Förpackning 1 - EAN	3471523100411
Förpackning 2 - enheter	box 18 styck
Förpackning 2 - bredd	250 mm
Förpackning 2 - längd	300 mm
Förpackning 2 - höjd	315 mm
Förpackning 2 - bruttovikt	11.52 kg

Förpackning 3 - enheter

864 styck

Externa klassificeringar och standarder		
Klassificeringskod		K
ETIM 7	EC000196 - Contactor relay	
ETIM 8	EC000196 - Contactor relay	
ETIM 9	EC000196 - Contactor relay	
eClass		V11.0 : 27371001
UNSPSC		39121529
IDEA Granular Category Code (IGCC)	4763 >> Power contactor, DC switching	
E-Number (Finland)		3705819

Kategorier

Lågspänningsprodukter → Kontroll- och skyddsapparater → Kontaktorer → Kontaktorer → NF reläkontaktorer

