DATA SHEET

Date: 18.8.2015

Fusible heavy duty safety switch with neutral, single throw EOH362NRK

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by ABB for any consequences arising out of the use of this material.

Type	EOH362NRK
Ordering number	1SCA138581R1001
EAN-code	6417019668604
Product Name	Fusible heavy duty safety switch with neutral, single throw
UL-file number	E314773
CSA-file number	58077
Country of Origin	Finland
Type of enclosure	NEMA Type 3R Rainproof
General purpose current rating 600V	60A
Number of poles	3
Net Weight	26.3lb / 11.925kg
Gross Weight	33lb / 14.978kg
Standards	UL98, UL50, UL4248-1, NEMA KS1, CSA
Instructions and manuals	34 EOH361-2-3JRS
Type of disconnect	OT60US30EOH
Switch operating torque	79.7lb.in / 9Nm
Min. Electrical endurance power factor 0.7 - 0.8	8000 op. cycles
Mechanical endurance	15000 op. cycles
Power loss / switch unit excluding fusegear	1.2W
Application ambient air temperature	-30°C/-22°F…40°C/104°F
Standard Power rating Single phase /120-127V	1.5HP / 1.12kW
Standard Power rating Single phase /240V	3HP / 2.24kW
Standard Power rating Single phase /480V	5HP / 3.73kW
Standard Power rating Single phase /600V	10HP / 7.46kW
Standard Power rating Three phase /120-127V	3HP / 2.24kW
Standard Power rating Three phase /240V	7.5HP / 5.6kW
Standard Power rating Three phase /480V	15HP / 11.19kW
Standard Power rating Three phase /600V	15HP / 11.19kW
Max. Power rating Single phase /120-127V	3HP / 2.24kW
Max. Power rating Single phase /240V	10HP / 7.46kW
Max. Power rating Single phase /480V	20HP / 14.92kW
Max. Power rating Single phase /600V	25HP / 18.65kW
Max. Power rating Three phase /120-127V	7.5HP / 5.6kW
Max. Power rating Three phase /200-208V	5.6HP / 4.18kW
Max. Power rating Three phase /240V	15HP / 11.19kW
Max. Power rating Three phase /480V	30HP / 22.38kW
Max. Power rating Three phase /600V	50HP / 37.3kW
Max. Power rating /125Vdc	5HP / 3.7kW

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Max. Power rating /250Vdc	10HP / 7.5kW
Max. motor FLA current Single phase /120-127V	34A
Max. motor FLA current Single phase /240V	50A
Max. motor FLA current Single phase /480V	44A
Max. motor FLA current Single phase /600V	44A
Max. motor FLA current Three phase /120-127V	44A
Max. motor FLA current Three phase /240V	42A
Max. motor FLA current Three phase /480V	40A
Max. motor FLA current Three phase /600V	52A
Maximum fuse size	70A
Fuse clips	Class H, K, RK1-5 to be equipped with field-installable rejection members, provision to relocate fuse base for class J, field-installable mounting kit for class T
Class RK fuses, short circuit rating 480Vac	200kA
Class J fuses, short circuit rating 480Vac	200kA
Class T fuses, short circuit rating 480Vac	200kA
Class RK fuses, short circuit rating 600Vac	200kA
Class J fuses, short circuit rating 600Vac	200kA
Class T fuses, short circuit rating 600Vac	200kA
Class H fuses, short circuit rating 600Vac	10kA
Class K fuses, short circuit rating 600Vac	50kA
Short circuit rating 250Vdc	100kA
Terminal lugs for line and load side terminals	OZXA-100
Torque: Lug mounting line and load side terminals	132lb.in / 14.9Nm
Wire size 60°C Copper	AWG2
Wire size 60°C Copper Cross section	33.6mm²
Wire size 60°C Aluminium	AWG2
Wire size 60°C Aluminium Cross section	33.6mm²
Wire size 75°C Copper	AWG2
Wire size 75°C Copper Cross section	33.6mm²
Wire size 75°C Aluminium	AWG2
Wire size 75°C Aluminium Cross section	33.6mm²
Torque: line and load side wire tightening	AWG2-3: 50 lb.in, AWG4-6: 45 lb.in, AWG8: 40 lb.in, AWG10-14: 35 lb.in / AWG2-3: 5.6 Nm, AWG4-6: 5.1 Nm, AWG8: 4.5 Nm, AWG10-14: 4 Nm
Grounding terminal included in delivery	2xOZXG1
Grounding terminal wire range	AWG2 - 14
Torque: grounding wire tightening	50lb.in / 5.6Nm
Neutral bus included	EOHXSN13
Auxiliary contacts included	Field-installable auxiliary contacts mountable in switch mechanism are to be ordered separately.
Max. number of auxiliary contacts to be added	2no+2nc (early break)
Enclosure construction type	EOH2R Type 3R: Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide adegree of protection against falling dirt, rain, sleet, and snow; and that will be undamaged by the external formation of ice on the enclosure.
Cabling direction	TopBottom
Enclosure colour	ANSI 61 (light gray)
External Enclosure width/W	12.09in / 307mm
External Enclosure height/H	20.35in / 517mm
External Enclosure depth/D	6.22in / 158mm
Cable outlets type	Concentric knockouts
Cable outlets / top (øInch/mm)	3x(ø1.25/31.75+ø1/25.4+ø0.75/19.05+ø0.5/12.7+ø0.315/8)+ø0.25/6.35+ø0.8/20.4
Cable outlets / bottom (øInch/mm)	3x(ø1.25/31.75+ø1/25.4+ø0.75/19.05+ø0.5/12.7+ø0.315/8)+ø0.25/6.35+ø0.8/20.4

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Number of door hinges	2
Number of door locking latches	2
Enclosure material specification	Corrosion resistant steel, paint: polyester powder coating 70+/-10µm, material thickness: door 0.059in/1.5mm, enclosure 0.059in/1.5mm, fixing plates 0.118in/3mm, handle shield 0.059in/1.5mm.
Handle type	Side-operated, fully insulated
Handle color	Black grip with red position ON indicator
Handle material specification	Handle grip: glass reinforced polyamide (PA f1)/ Red handle indicator: polycarbonate (PC f1).
Type of packing	Environment friendly corrugated cardboard
Packingbox width	14.6in / 370mm
Packingbox heigth	24.2in / 615mm
Packingbox depth	9.3in / 235mm
Additional information	Fusible heavy duty safety switch in painted steel sheet enclosure. Neutral assembly with bonding jumper is included. Suitable only for use as service equipment. Grounding bus is included. Padlockable in OFF-position with 3 padlocks of bail max. diameter 0.25in/6.4mm. Releasable door interlocking mechanism. Field-installable accessories and fuses are to be ordered separately. Factory mounted fuse base and clips for class H, K, RK1-5 fuses.
Description FI	Sulakkeellinen turvakytkin raskaaseen käyttöön
Description EN	Fusible heavy duty safety switch
Description FR	Interrupteur avec fusibles de sécurité pour service intensif
Description ES	Interruptor de seguridad de servicio pesado con fusibles

Technical information:
http://new.abb.com/low-voltage/launches/safetyswitches

UL Certificate of Compliance:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/762006113685b65fc1257d6200207c53/$file/UL%20certificate%20EOH.pdf

CSA Certificate of Compliance:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/8e61ba5de98778c9c1257d5e002e7422/$file/CSA%20Certificate%20EOH_%20EOHU_.pdf

Catalogue:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/fa1d5d4923ab6eddc1257da200370e6b/$file/1SCC340010C0201.pdf

Leaflet:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/c4e1234e4521d69ac1257c7b003240a2/$file/1SCC340007K0201.pdf

Instruction bulletin:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/a8e65d4cbe016259c1257d230033a2c9/$file/1SCC340030M1401.pdf

Drawing/PDF:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/0b824989240545eec1257c9800568879/$file/Z13_EOH362JK.PDF

Drawing/IGES:
http://new.abb.com/low-voltage/launches/safetyswitches/fusible-safety-switches

Field-installable accessories:

Fuse mounting kits	EOHFC2T for Class T 60A fuses
Fuse rejection member kits	EOHRM2R for Class RK1-5 fuses
Auxiliary contact NO type to be added	OA1G10
Auxiliary contact NC type to be added	OA3G01
Terminal cover Line side	OTS250G1S/3
Hubs	H050-TB, H075-TB, H100-TB
Condensation water outlet	YJTB3/M5

Replacement parts:

Terminal lugs for line and load side terminals	OZXA-100/3
Grounding terminal	OZXG1/2
Switch disconnect	OT60US30EOHR

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EOH362NRK

A	21.93in	557mm
B	10.59in	269mm
F	5.28in	134mm
G	1.1in	28mm
N	0.83in	21mm
K	0.35in	9mm
L	0.35in	9mm
M	0.75in	19mm
H	22.72in	577mm
W	13.23in	336mm
W1	14.49in	368mm
D	6.3in	160mm
E	9in	229mm

EOH362NRK KNOCKOUT INFORMATION
TOP ENDWALL OF ENCLOSURE

H horizontal	V vertical (see Note)	Ø Knockout hole diameter
4.78in/121.5mm	1.69in/43mm	0.25in/6.35mm
3.52in/89.5mm	2.99in/76mm	0.5in/12.7mm 0.75in/19.1mm 1.11in/28.2mm 1.39in/35.2mm
6.04in/153.5mm	2.99in/76mm	0.5in/12.7mm 0.75in/19.1mm 1.11in/28.2mm 1.39in/35.2mm
8.56in/217.5mm	2.99in/76mm	0.5in/12.7mm 0.75in/19.1mm 1.11in/28.2mm 1.39in/35.2mm
4.78in/121.5mm	4.17in/106mm	0.79in/20mm

Note: Vertical dimension is from mounting surface.

EOH362NRK KNOCKOUT INFORMATION
BOTTOM ENDWALL OF ENCLOSURE

H horizontal	V vertical (see Note)	Ø Knockout hole diameter
4.78in/121.5mm	1.69in/43mm	0.25in/6.35mm
3.52in/89.5mm	2.99in/76mm	0.5in/12.7mm 0.75in/19.1mm 1.11in/28.2mm 1.39in/35.2mm
6.04in/153.5mm	2.99in/76mm	0.5in/12.7mm 0.75in/19.1mm 1.11in/28.2mm 1.39in/35.2mm
8.56in/217.5mm	2.99in/76mm	0.5in/12.7mm 0.75in/19.1mm 1.11in/28.2mm 1.39in/35.2mm
4.78in/121.5mm	4.17in/106mm	0.79in/20mm

Note: Vertical dimension is from mounting surface.

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