DATA SHEET

Date: 18.8.2015

Fusible heavy duty safety switch with neutral, single throw EOH364NK

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	EOH364NK
Ordering number	1SCA138591R1001
EAN-code	6417019668703
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 1 Indoor
General purpose current rating 600V	200A
Number of poles	3
Net Weight	58.8lb / 26.68kg
Gross Weight	65.4lb / 29.655kg
Standards	UL98, UL50, UL4248-1, NEMA KS1, CSA
Instructions and manuals	34 EOH364-5-6
Type of disconnect	OT200US30EOH
Switch operating torque	203.6lb.in / 23Nm
Min. Electrical endurance power factor 0.7 - 0.8	6000 op. cycles
Mechanical endurance	12000 op. cycles
Power loss / switch unit excluding fusegear	7.5W
Application ambient air temperature	-30°C/-22°F…40°C/104°F
Standard Power rating Single phase /240V	15HP / 11.19kW
Standard Power rating Single phase /480V	25HP / 18.65kW
Standard Power rating Single phase /600V	30HP / 22.38kW
Standard Power rating Three phase /240V	25HP / 18.65kW
Standard Power rating Three phase /480V	50HP / 37.3kW
Standard Power rating Three phase /600V	60HP / 44.76kW
Max. Power rating Single phase /240V	15HP / 11.19kW
Max. Power rating Single phase /480V	50HP / 37.3kW
Max. Power rating Single phase /600V	50HP / 37.3kW
Max. Power rating Three phase /240V	60HP / 44.76kW
Max. Power rating Three phase /480V	125HP / 93.25kW
Max. Power rating Three phase /600V	150HP / 111.9kW
Max. Power rating /250Vdc	40HP / 29.8kW
Max. motor FLA current Single phase /120-127V	135A
Max. motor FLA current Single phase /240V	68A
Max. motor FLA current Single phase /480V	108A
Max. motor FLA current Single phase /600V	86A
Max. motor FLA current Three phase /120-127V	160A

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Max. motor FLA current Three phase /240V	164A
Max. motor FLA current Three phase /480V	156A
Max. motor FLA current Three phase /600V	144A
Maximum fuse size	200A
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-400
Torque: Lug mounting line and load side terminals	228Ib.in / 25.8Nm
Wire size 75°C Copper	250 kcmil
Wire size 75°C Copper Cross section	127mm²
Wire size 75°C Aluminium	250 kcmil
Wire size 75°C Aluminium Cross section	127mm²
Torque: line and load side wire tightening	375Ib.in / 42.4Nm
Grounding terminal included in delivery	2xOZXG1
Grounding terminal wire range	AWG2 - 14
Torque: grounding wire tightening	50Ib.in / 5.6Nm
Neutral bus included	EOHXSN4
Auxiliary contacts included	Field-installable auxiliary contacts mountable in switch mechanism are to be ordered separately.
Max. number of auxiliary contacts to be added	4no+4nc (early break)
Enclosure construction type	EOH4 Type 1: Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt.
Cabling direction	TopBottom
Enclosure colour	ANSI 61 (light gray)
External Enclosure width/W	16.14in / 410mm
External Enclosure height/H	37.44in / 951mm
External Enclosure depth/D	7.32in / 186mm
Cable outlets type	Concentric knockouts
Cable outlets / top (øInch/mm)	3x(ø2.5/63.5+ø2/50.8+ø1.5/38.1+ø1.25/31.75+ø0.79/20)+ø0.25/6.35+ø0.9/22.4
Cable outlets / bottom (øInch/mm)	3x(ø2.5/63.5+ø2/50.8+ø1.5/38.1+ø1.25/31.75+ø0.79/20)+ø0.25/6.35+ø0.9/22.4
Number of door hinges	3
Number of door locking latches	3
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: metallic insert, glass reinforced polyamide (PA f1)/ Red handle indicator: polycarbonate (PC f1).
Type of packing	Environment friendly corrugated cardboard
Packingbox width	18.5in / 470mm
Packingbox heigth	41.3in / 1050mm
Packingbox depth	10.8in / 275mm

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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. Enclosure opening edge is provided with protective rubber gasket profile. Field-installable accessories and fuses are to be ordered separately. Factory mounted fuse base and clips for class H, K, RK1-5 fuses. Not for use as motor controller.
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/32753b9528f44814c1257d230034a00e/$file/1SCC340032M1401.pdf

Drawing/PDF:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/187abdc421b6b31fc1257c980057cb71/$file/Z13_EOH364K.PDF

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

Field-installable accessories:

Fuse mounting kits	EOHFBK4 for Class T 200A fuses
Fuse rejection member kits	EOHRM34R 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	OTS400G1L/3, OTS400G1S/3
Hubs	H050-TB, H075-TB, H100-TB, H150-TB, H200-TB

Replacement parts:

Terminal lugs for line and load side terminals	OZXA-400/3
Grounding terminal	OZXG1/2
Switch disconnect	OT200US30EOHR
Fuse base kits	EOHFBR4LU
Door locking mechanism	EOHLM7
Handle assembly	EOHH2

Technical and product support:
ABB OY Breakers and Switches
P.O.Box 622
FI-65101 Vaasa, Finland
Phone: +358 102211
e-Mail: switch.technicalservice@fi.abb.com

Sales in USA:
ABB Inc. / USA
16250 W Glendale Drive
New Berlin, WI 53151, USA
Phone: 888-385-1221
e-Mail: lvps.support@us.abb.com

Sales in Canada:
ABB Inc. / CANADA
2117, 32nd Avenue
Lachine, QC H8T 3J1, Canada
Phone: 514-420-3100
e-Mail: lvp.support@ca.abb.com

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A	13.78in	350mm
B	22.05in	560mm
C1	0.31in	8mm
C2	0.79in	20mm
F	6.89in	175mm
L	0.39in	10mm
M	0.87in	22mm
H	38.39in	975mm
W	17.28in	439mm
W1	18.54in	471mm
D	7.48in	190mm
E	10.28in	261mm

EOH364NK KNOCKOUT INFORMATION
TOP ENDWALL OF ENCLOSURE

H horizontal	V vertical (see Note)	Ø Knockout hole diameter
5.46in/138.7mm	2.36in/60mm	0.25in/6.35mm
3.3in/83.7mm	3.54in/90mm	0.63in/16mm 0.88in/22.4mm 1.11in/28.2mm 1.39in/35.2mm 2in/50.8mm 2.46in/62.50mm
7.63in/193.7mm	3.54in/90mm	0.63in/16mm 0.88in/22.4mm 1.11in/28.2mm 1.39in/35.2mm 2in/50.8mm 2.46in/62.50mm
11.96in/303.7mm	3.54in/90mm	0.63in/16mm 0.88in/22.4mm 1.11in/28.2mm 1.39in/35.2mm 2in/50.8mm 2.46in/62.50mm
5.46in/138.7mm	5.12in/130mm	0.79in/20mm

Note: Vertical dimension is from mounting surface.

EOH364NK KNOCKOUT INFORMATION
BOTTOM ENDWALL OF ENCLOSURE

H horizontal	V vertical (see Note)	Ø Knockout hole diameter
5.46in/138.7mm	2.36in/60mm	0.25in/6.35mm
3.3in/83.7mm	3.54in/90mm	0.63in/16mm 0.88in/22.4mm 1.11in/28.2mm 1.39in/35.2mm 2in/50.8mm 2.46in/62.50mm
7.63in/193.7mm	3.54in/90mm	0.63in/16mm 0.88in/22.4mm 1.11in/28.2mm 1.39in/35.2mm 2in/50.8mm 2.46in/62.50mm
11.96in/303.7mm	3.54in/90mm	0.63in/16mm 0.88in/22.4mm 1.11in/28.2mm 1.39in/35.2mm 2in/50.8mm 2.46in/62.50mm
5.46in/138.7mm	5.12in/130mm	0.79in/20mm

Note: Vertical dimension is from mounting surface.

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