DATA SHEET

Date: 18.8.2015

Fusible heavy duty safety switch with neutral, single throw EOH367N

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	EOH367N
Ordering number	1SCA138601R1001
EAN-code	6417019668796
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	800A
Number of poles	3
Net Weight	150.7lb / 68.346kg
Gross Weight	162.3lb / 73.606kg
Standards	UL98, UL50, UL4248-1, NEMA KS1, CSA
Instructions and manuals	34 EOH367-8
Type of disconnect	OT800US30EOH
Switch operating torque	354lb.in / 40Nm
Min. Electrical endurance power factor 0.7 - 0.8	600 op. cycles
Mechanical endurance	3500 op. cycles
Power loss / switch unit excluding fusegear	36W
Application ambient air temperature	-30°C/-22°F…40°C/104°F
Standard Power rating Three phase /240V	100HP / 74.6kW
Standard Power rating Three phase /480V	200HP / 149.2kW
Standard Power rating Three phase /600V	250HP / 186.5kW
Max. Power rating Three phase /240V	250HP / 186.5kW
Max. Power rating Three phase /480V	500HP / 373kW
Max. Power rating Three phase /600V	500HP / 373kW
Max. Power rating /250Vdc	50HP / 37.3kW
Max. motor FLA current Three phase /240V	600A
Max. motor FLA current Three phase /480V	590A
Max. motor FLA current Three phase /600V	472A
Maximum fuse size	800A
Fuse clips	Class L
Class L fuses, short circuit rating 480Vac	200kA
Class L fuses, short circuit rating 600Vac	200kA
Short circuit rating 250Vdc	100kA
Terminal lugs for line and load side terminals	OZXA-1200
Torque: Lug mounting line and load side terminals	443lb.in / 50.1Nm
Wire size 75°C Copper	4x500 kcmil

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Wire size 75°C Copper Cross section	1012mm²
Wire size 75°C Aluminium	4x500 kcmil
Wire size 75°C Aluminium Cross section	1012mm²
Torque: line and load side wire tightening	500lb.in / 56.5Nm
Grounding terminal included in delivery	2xOZXG2
Grounding terminal wire range	250kcmil - AWG6
Torque: grounding wire tightening	275lb.in / 31.1Nm
Neutral bus included	EOHXSN78
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	EOH7 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	22.05in / 560mm
External Enclosure height/H	62.68in / 1592mm
External Enclosure depth/D	8.54in / 217mm
Cable outlets type	Blank
Cable outlets / top (øInch/mm)	Blank
Cable outlets / bottom (øInch/mm)	Blank
Number of door hinges	3
Number of door locking latches	5
Enclosure material specification	Corrosion resistant steel, paint: polyester powder coating 70+/-10µm, material thickness: door 0.079in/2mm, enclosure 0.079in/2mm, 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	24.4in / 620mm
Packingbox heigth	67.3in / 1710mm
Packingbox depth	12in / 305mm
Additional information	Fusible heavy duty safety switch in painted steel sheet enclosure. Factory-mounted fuse base and mounting screw kit for class L fuses are included. 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. Factory-mounted fuse base and mounting screw kit for class L fuses are included. Field-installable accessories and fuses are to be ordered separately. 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

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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/f233ca012889bf80c1257d23003507bb/$file/1SCC340033M1401.pdf

Drawing/PDF:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/dc65a4a0b8d1ced6c1257c98005ac69e/$file/Z13_EOH367.PDF

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

Field-installable accessories:

Auxiliary contact NO type to be added	OA1G10
Auxiliary contact NC type to be added	OA3G01

Replacement parts:

Terminal lugs for line and load side terminals	OZXA-1200/3
Grounding terminal	OZXG2/2
Switch disconnect	OT800US30EOHR
Fuse base kits	EOHFBL7
Door locking mechanism	EOHLM6
Handle assembly	EOHH2

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A	19.69in	500mm
B	60.32in	1532mm
C1	0.31in	8mm
C2	0.79in	20mm
F	9.84in	250mm
L	0.55in	14mm
M	0.98in	25mm
H	62.68in	1592mm
W	22.99in	584mm
W1	24.53in	623mm
D	8.5in	216mm
E	11.61in	295mm

EOH367N KNOCKOUT INFORMATION
TOP ENDWALL OF ENCLOSURE

No factory-made knockouts.
Drillings or cutting for purpose-made cabling accessories is allowed inside blank surface A:
Width: 17.08in / 434mm
Depth: 6.22in / 158mm
Note: Vertical dimension is from mounting surface.

EOH367N KNOCKOUT INFORMATION
BOTTOM ENDWALL OF ENCLOSURE

No factory-made knockouts.
Drillings or cutting for purpose-made cabling accessories is allowed inside blank surface B:
Width: 17.08in / 434mm
Depth: 6.22in / 158mm
Note: Vertical dimension is from mounting surface.

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