DATA SHEET

Date: 18.8.2015

Fusible heavy duty safety switch with neutral, single throw EOH368N

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	EOH368N
Ordering number	1SCA138604R1001
EAN-code	6417019668826
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	1200A
Number of poles	3
Net Weight	401.5lb / 182.1kg
Gross Weight	572.3lb / 259.6kg
Standards	UL98, UL50, UL4248-1, NEMA KS1, CSA
Instructions and manuals	34 EOH367-8
Type of disconnect	OT1200US30EOH
Switch operating torque	655lb.in / 74Nm
Min. Electrical endurance power factor 0.7 - 0.8	600 op. cycles
Mechanical endurance	2500 op. cycles
Power loss / switch unit excluding fusegear	81W
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	1200A
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	Line side OZXA-1200E / Load side OZXA-1200
Torque: Lug mounting line and load side terminals	Line side 319 lb.in / Load side 443 lb.in / Line side 36 Nm / Load side 50.1 Nm

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Wire size 75°C Copper	Line side 6x500 kcmil / Load side 4x500 kcmil
Wire size 75°C Copper Cross section	Line side 1518mm² / Load side1012mm²
Wire size 75°C Aluminium	Line side 6x500 kcmil / Load side 4x500 kcmil
Wire size 75°C Aluminium Cross section	Line side 1518 / Load side1012
Torque: line and load side wire tightening	Line side 620 lb.in / Load side 500 lb.in / Line side 70.1 Nm / Load side 56.5 Nm
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	EOH8 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	39.37in / 1000mm
External Enclosure height/H	68.9in / 1750mm
External Enclosure depth/D	12.44in / 316mm
Cable outlets type	Blank
Cable outlets / top (øInch/mm)	Blank
Cable outlets / bottom (øInch/mm)	Blank
Number of door hinges	4
Number of door locking latches	5
Enclosure material specification	Corrosion resistant steel, paint: polyester powder coating 70+/-10µm, material thickness: door 0.079in/2mm provided with welded horizonthal beams, enclosure 0.079in/2mm, ribbed enclosure bottom and fixing lugs 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	Plywood container equipped with removable front cover and sledge runners
Packingbox width	46.5in / 1180mm
Packingbox heigth	72.8in / 1850mm
Packingbox depth	15.7in / 400mm
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

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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/f233ca012889bf80c1257d23003507bb/$file/1SCC340033M1401.pdf

Drawing/PDF:
http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/83a3622df06fabf0c1257c99002083ea/$file/Z13_EOH368.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-1200E/3 Line side / OZXA-1200/3 Load side
Grounding terminal	OZXG2/2
Switch disconnect	OT1200US30EOHR
Fuse base kits	EOHFBL8
Door locking mechanism	EOHLM5
Handle assembly	EOHH3

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A	60.95in	1548mm
B	41.14in	1045mm
F	30.47in	774mm
G	3.98in	101mm
N	1.18in	30mm
K	0.39in	10mm
H	68.9in	1750mm
W	39.96in	1015mm
W1	41.77in	1061mm
W2	43.11in	1095mm
D	12.6in	320mm
E	14.76in	375mm

EOH368N 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: 34.4in / 874mm

Depth: 8.5in / 216mm

Note: Vertical dimension is from mounting surface.

EOH368N 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: 34.4in / 874mm

Depth: 8.5in / 216mm

Note: Vertical dimension is from mounting surface.

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