DATA SHEET

Date: 18.8.2015

Non-fusible heavy duty safety switch, single throw
EOHU368

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	EOHU368
Ordering number	1SCA132033R1001
EAN-code	6417019612003
Product Name	Non-fusible heavy duty safety switch, 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	313.1lb / 142kg
Gross Weight	459.7lb / 208.5kg
Standards	UL98, UL50, NEMA KS1, CSA
Instructions and manuals	34 EOHU367-8
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	81W
Application ambient air temperature	-30°C/-22°F…40°C/104°F
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
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	319lb.in / 36Nm
Wire size 75°C Copper	6x500 kcmil
Wire size 75°C Copper Cross section	1518mm²
Wire size 75°C Aluminium	6x500 kcmil
Wire size 75°C Aluminium Cross section	1518mm²
Torque: line and load side wire tightening	620lb.in / 70.1Nm

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Grounding terminal included in delivery	2xOZXG2
Grounding terminal wire range	250kcmil - AWG6
Torque: grounding wire tightening	275lb.in / 31.1Nm
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	EOHU8 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	57.48in / 1460mm
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	3
Number of door locking latches	2
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	Non-fusible heavy duty safety switch in painted steel sheet enclosure. 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 are to be ordered separately. Not for use as motor controller.
Description FI	Sulakkeeton turvakytkin raskaaseen käyttöön
Description EN	Non-fusible heavy duty safety switch
Description FR	Interrupteur non fusibles de sécurité pour service intensif
Description ES	Interruptor de seguridad de Servicio Pesado sin 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/aec18f1adb9e499ec1257d620020cedf/$file/UL%20certificate%20EOHU.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

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

Field-installable accessories:

Neutral assembly	EOHXSN78
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
Door locking mechanism	EOHLM5
Handle assembly	EOHH3

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A	50.32in	1278mm
B	41.34in	1050mm
F	25.16in	639mm
G	3.58in	91mm
N	1.18in	30mm
K	0.39in	10mm
H	57.48in	1460mm
W	40.32in	1024mm
W1	41.89in	1064mm
W2	43.11in	1095mm
D	12.56in	319mm
E	14.76in	375mm

EOHU368 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.

EOHU368 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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