Applications

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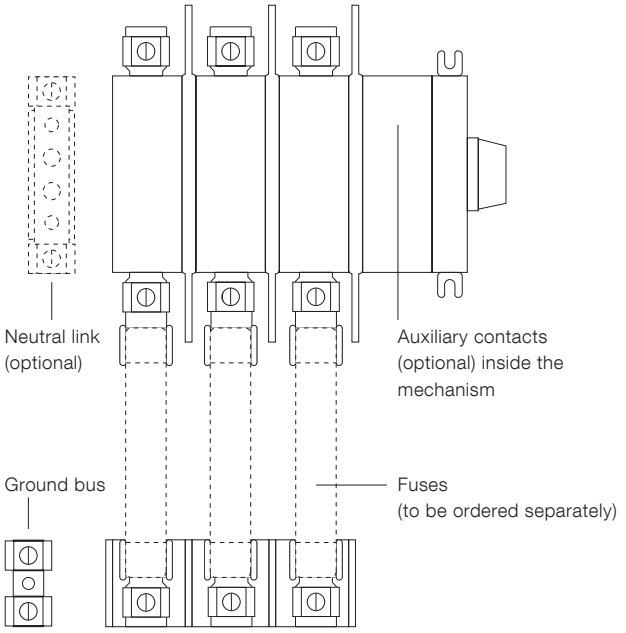
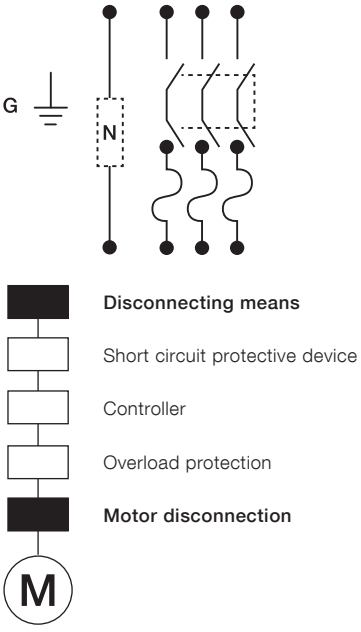
The EOH series heavy duty fusible safety switches are side-operated, 3 pole, 600V switches, housed in steel sheet enclosures, available in UL environmental rating TYPE 1 with side-operated handle.

Heavy duty fusible safety switches offer the ability to manually open and close a circuit and provide overcurrent protection through field installed fuses. Products can be used as Disconnecting Means or on the load side of a branch circuit protective device and are suitable for use as motor disconnects.

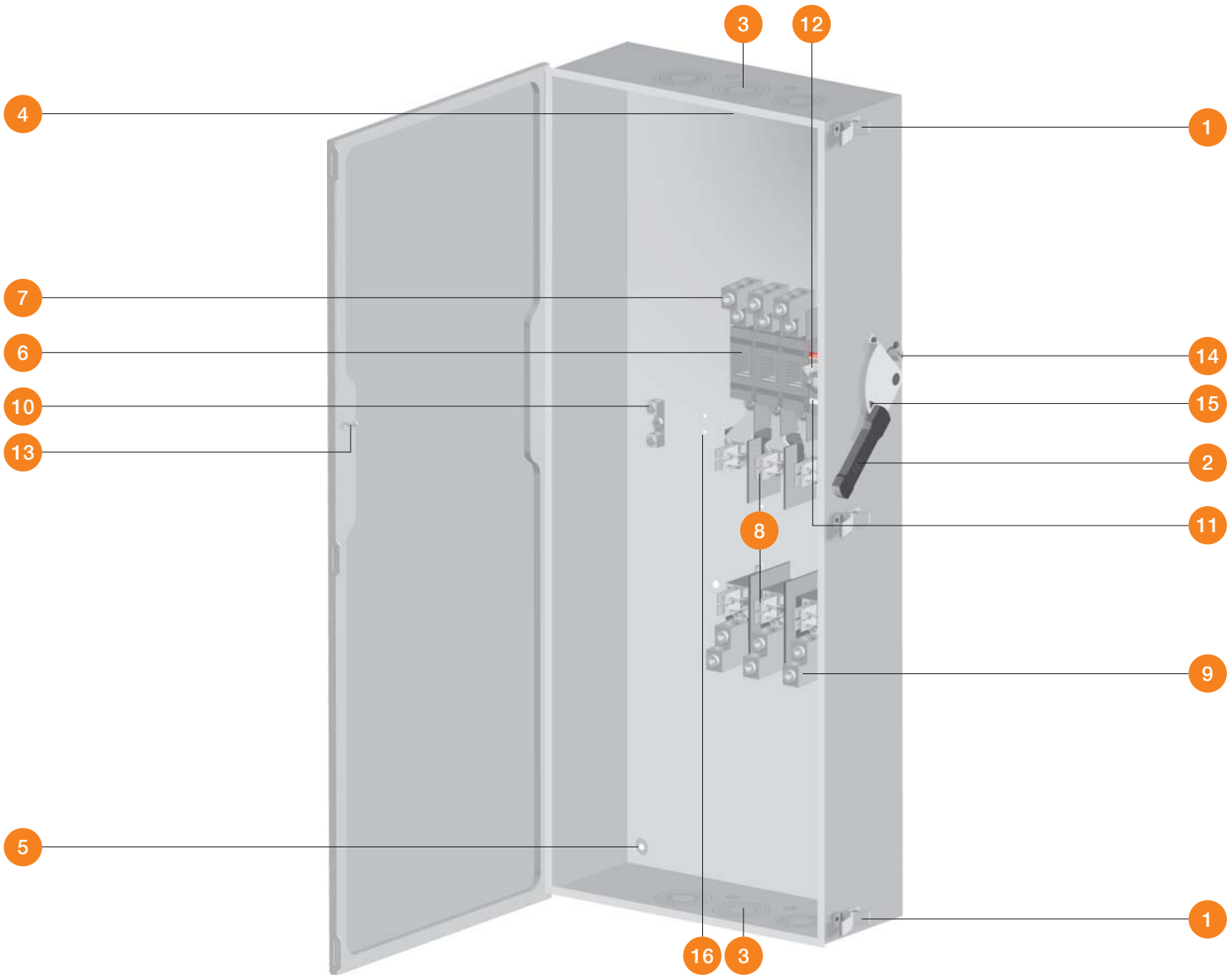
Catalog numbers:
NEMA1: EOH364K, EOH365K, EOH365K
General purpose current ratings: 200A, 400A and 600A
Standards: UL98, UL50, UL4248-1, NEMA KS1, CSA
Enclosure material specification: Electrically galvanized steel, polyester powder coating. Thickness: door 0.059 in /1.5 mm (EOH364K/5K) and 0.079 in /2 mm (EOH366K), enclosure 0.059 in /1.5 mm (EOH364K/5K) and 0.079 in /2 mm (EOH366K). Handle: glass reinforced polyamide (PA f1), polycarbonate (PC f1).
Enclosure color: ANSI 61 (light gray)





The EOH364K, EOH365K, EOH366K heavy duty fusible safety switches up to 600 VAC, 3-ph with the ground bus (included) and the neutral link N (optional)

Product overview
EOH364K, EOH365K, EOH366K



1. Door latches, provision for padlocking
2. Handle
3. Knockouts
4. Keyslot mounting hole
5. Mounting holes (4 pcs)
6. 3-pole switch, double breaking contacts with viewing windows
7. Line side (switch terminals) terminal lugs
8. Fuse base
9. Load side (fuse base terminals) terminal lugs
10. Ground bus (2 lugs)
11. Operating mechanism, inside place for auxiliary contacts (optional)
12. Door interlock mechanism
13. Locking hook for door interlock mechanism
14. Door interlock bypass shaft (Only qualified personnel should perform this procedure)
15. Hole for padlocking the handle (3 padlocks)
16. Place for neutral assembly (optional)

Ratings
Heavy duty fusible safety switches

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Heavy duty fusible safety switch				EOH364K	EOH365K	EOH366K
AMPS			**A**	**200**	**400**	**600**
General purpose current rating			A	200	400	600
Max. horse power rating	Three phase	240 V	HP	60	125	200
		480 V	HP	125	250	400
		600 V	HP	150	350	500
Standard horse power rating	Three phase	240 V	HP	25	50	75
		480 V	HP	50	100	150
		600 V	HP	60	125	200
Max. motor FLA current	Three phase	240 V	A	164	312	480
		480 V	A	156	302	477
		600 V	A	144	336	472
Short circuit rating	Class R, J or T fuses	480 V	kA	200	200	200
	Class R fuses	600 V	kA	200	100	200
	Class J or T fuses	600 V	kA	200	200	200
Maximum fuse size			A	200	400	600
Standard fuse clips				R, H, K	R, H, K	R, H, K
Fuse conversion kits (fuse clips), optional				J, T	J, T	J
Ground bus						
Ground bus catalog number				OZXG1	OZXG2	OZXG2
Temperature rating			°F	167	167	167
			°C	75	75	75
Auxiliary contacts, optional						
Suitable auxiliary contacts		Function	1NO	OA1G10	OA1G10	OA1G10
			1NC	OA3G01	OA3G01	OA3G01
Nema ratings, AC				**AC600**	**AC600**	**AC600**
AC rated voltage			VAC	600	600	600
AC rated thermal current			A	10	10	10
AC maximum volt-ampere making			VA	7200	7200	7200
AC maximum volt-amperage breaking			VA	720	720	720
Nema ratings, DC				**R300**	**R300**	**R300**
DC rated voltage			VDC	300	300	300
DC rated thermal current			A	1	1	1
DC maximum make-break			VA	28	28	28

Cabling
Heavy duty fusible safety switches

Cabling / Fusible safety switches

Cable entry/exit locations: Top entry-bottom exit.
Cable entry/exit through top/bottom endwalls maximize the cable bending area. All cable entry/exit must be in accordance with the National Electrical Code and all other local codes.

See the chapter Wiring. In 200 A switches use Hex key / wrench size 3/8 and in 400 A / 600 A switches use Hex key / wrench size 1/2.

WARNING

To avoid hazard of electric shock, turn off and lock out all power sources before installing or performing maintenance on this equipment.

Heavy duty fusible safety switch		EOH364K	EOH365K	EOH366K
AMPS	A	200	400	600
Line side (switch terminals) terminal lugs				
Terminal lug		OZXA-400	OZXA-800E	OZXA-800
Torque: wire tightening for Cu and Al cables	lbs.in	375	500	500
	Nm	41.8	55.7	55.7
Lug mounting torque	lbs.in	228	480	480
	Nm	25.4	53.5	53.5
Wire range	kcmil	#2 - 600	(2) #2 - 600	(2) #2 - 600
	mm^2	35 - 300	2 × 35 - 300	2 × 35 - 300
Load side (fuse base terminals) terminal lugs				
Terminal lug		OZXA-400	OZXA-800	OZXA-800
Torque: wire tightening for Cu and Al cables	lbs.in	375	500	500
	Nm	41.8	55.7	55.7
Lug mounting torque	lbs.in	228	480	480
	Nm	25.4	53.5	53.5
Wire range	kcmil	#2 - 600	#3 - 900 or 2 × 350	(2) #2 - 600
	mm^2	35 - 300	25 - 400 or 2 × 185	2 × 35 - 300
Ground bus (2 lugs)				
Screwdriver, tool		Slot	5/16" Hex	5/16" Hex
Ground bus catalog number		OZXG1	OZXG2	OZXG2
Torque: wire tightening for Cu and Al cables	lbs.in	50	275	275
	Nm	5.6	31.1	31.1
Maximum stud mounting torque	lbs.in	72	72	72
	Nm	8.1	8.1	8.1
Wire range	AWG, kcmil	#14 - 2	#6 - 250 kcmil	#6 - 250 kcmil
	mm^2	2.5 - 35	10 - 120	10 - 120

Cabling
Neutral bus and auxiliary contacts

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Cabling / Neutral bus (optional)

In 200 A switches use Hex key / wrench size 3/8 and in 400A and 600 A switches use 1/2 Hex key / wrench. See chapter Installation / Neutral assembly (optional).

Heavy duty fusible safety switch		**EOH364K**	**EOH365K**	**EOH366K**
AMPS	**A**	**200**	**400**	**600**
Suitable neutral bus, catalog number		**EOHXSN4**	**EOHXSN56**	**EOHXSN56**
Neutral bus / terminal lugs				
Terminal lug		OZXA-400	OZXA-800	OZXA-800
Torque: wire tightening for Cu and Al cables	lbs.in	375	500	500
	Nm	41.8	55.7	55.7
Lug mounting torque	lbs.in	228	480	480
	Nm	25.4	53.5	53.5
Wire range	kcmil	#2 - 600	(2) #2 - 600	(2) #2 - 600
	mm^2	35 - 300	2 × 35 - 300	2 × 35 - 300

Cabling / Auxiliary contacts (optional)

Use Pozi-drive #2 or flat blade screwdriver. See chapter Installation / Auxiliary contacts (optional).

Auxiliary contacts, catalog numbers OA1G10 (1NO), OA3G01 (1NC)	
NEMA	A600, R300
Wire size	1 - 2 × #18 - 14 AWG
	1 - 2 × 0.75 - 2.5 mm^2
Torque	7 lbs.in
	0.78 Nm