

EID Disconnect Switch

Designed with safety and
reliability in mind



Powering Business Worldwide

Incorporates Eaton's Crouse-Hinds' high integrity manufacturing standards for safety and reliability in a compact, space-efficient NEMA 4X enclosure.

The EID Disconnect Switch provides an explosionproof disconnect with overload and circuit protection for hazardous area electrical systems. This disconnect solution incorporates Eaton's Crouse-Hinds' high integrity manufacturing standards for safety and reliability in a compact, space-efficient NEMA 4X† enclosure.

Features and Benefits:

- Available in both fused and non-fused configurations — offers flexible options for different circuit protections
- Can be ordered as enclosure only — allows for field installation of switch while maintaining product certification
- NEMA 4X breather and drain* — provides a moisture control solution in hose-down applications
- Small, compact footprint — less mounting space required
- Large red painted aluminum rotary handle operator mounted on cover assembly — provides rugged, reliable performance in the field and allows for the switch position to be easily identified
- Internal fused switches are rated up to 200kAIC short circuit rating at 600 VAC, providing increased protection
- Neoprene cover gasket — provides NEMA 4 ingress protection
- Detachable/adjustable mounting feet — provides flexible mounting alternatives for ease of installation; no need to replace the entire enclosure if a mounting foot is broken
- Stainless steel hinges — easy internal access for wiring and maintenance
- (2) ½" NPT conduit entries, one on top and one on bottom — for field addition of breather and/or drain or for use with auxiliary contacts; holes come plugged with Eaton's Crouse-Hinds PLG explosionproof plug as standard**
- Provides lockout/tagout capability which complies with OSHA requirements — allows for locking in the ON or OFF position for standard maintenance checks
- Complies with NEC Article 312 wire bending requirements for maximum wire gauge — allows for easy and safe installation, and reliable operation of the product

Certifications and Compliances:

- Class I, Divisions 1 & 2, Groups B, C, D
- Class I, Zones 1 & 2
- Class II, Division 1, Groups E, F, G
- Class III
- NEMA 3, 3R, 4, 4X†, 7BCD, 9EFG
- UL Standard: 1203
- cUL to CSA C22.2 No. 30

*When ordered with S756V suffix.

**For both drains and auxiliary contacts, please contact factory.

†When ordered with S752 or S753 suffix.



Standard Materials:

- Body and cover — copper-free aluminum
- Gasket — neoprene
- Cover bolts — steel, stainless steel
- Hinges — stainless steel
- Mounting plate sheet — aluminum
- Rotary actuating handle — aluminum

Standard Finishes:

- Copper-free aluminum — natural
- Steel — electrogalvanized

Electrical Ratings:

Non-fused Switch Rating (Amps)	Horsepower Rating				Fused Switch Rating (Amps)	Horsepower Rating			
	240 VAC	480 VAC	600 VAC	250 VDC		240 VAC	480 VAC	600 VAC	250 VDC
30	10	20	30	5	30	-	15	20	5
60	20	40	40	10	60	-	30	50	10
100	30	50	50	20	100	-	60	75	20
200	75	150	200	15	200	60	125	150	40
400	125	250	350	50	400	125	250	350	50

Ordering Information:

Amperage	Fused/Non-fused	Enclosure Only	Enclosure with Switch
30	Non-fused	EIDA	EIDA3030
	Fused	EIDAF3	EIDAF3030
60	Non-fused	EIDA	EIDA3060
	Fused	EIDAF6	EIDAF3060
100	Non-fused	EIDB	EIDB3100
	Fused	EIDBF	EIDBF3100
200	Non-fused	EIDC	EIDC3200
	Fused	EIDCF	EIDCF3200
400	Non-fused	EIDD	EIDD3400
	Fused	EIDDF	EIDDF3400

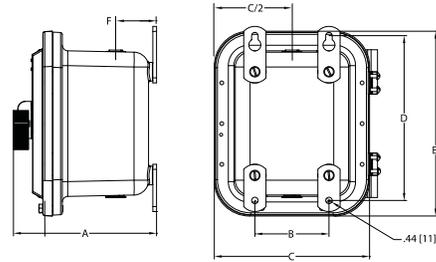
Options:

- Auxiliary contact (single block) **S784**
- Auxiliary contacts (two blocks) **S785**
- Breather and drain **S756V**
- Epoxy powder coat finish (external only)..... **S752**
- Epoxy powder coat finish (internal and external)..... **S753**
- External ground lug **S214**

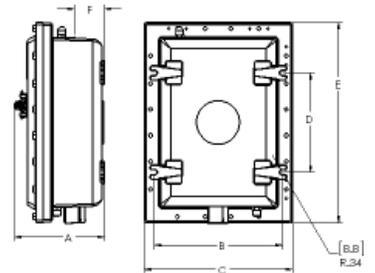
Dimensions and Weights:

NON-FUSED EID

Dimension	EIDA	EIDB	EIDC	EIDD
A	9.65" (245mm)	11.75" (298mm)	13.19" (335mm)	13.49" (343mm)
B	5.00" (127mm)	7.00" (178mm)	14.94" (380mm)	14.94" (380mm)
C	10.47" (266mm)	12.53" (318mm)	17.44" (443mm)	17.19" (437mm)
D	11.13" (283mm)	15.13" (384mm)	17.50" (445mm)	29.50" (749mm)
E	12.47" (317mm)	16.53" (420mm)	29.44" (748mm)	41.22" (1047mm)
F	2.75" (70mm)	2.75" (70mm)	5.00" (127mm)	5.00" (127mm)
Weights	36 lbs. (16 kg.)	62 lbs. (28 kg.)	167 lbs. (76 kg.)	258 lbs. (117 kg.)
Conduit Size (Top & Bottom)	1.0"	1.5"	3.0"	(2) 3.0"



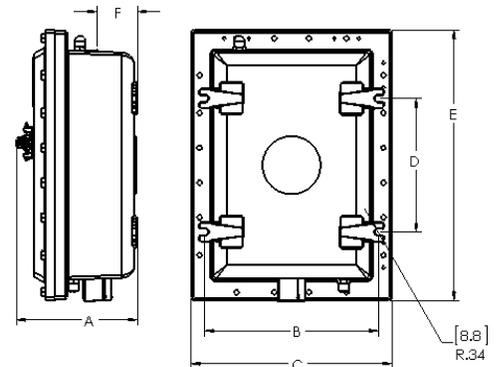
EIDA/EIDB



EIDC/EIDD

FUSED EID

Dimension	EIDAF3	EIDAF6	EIDBF	EIDCF	EIDDF
A	10.02" (255mm)	9.90" (251mm)	10.05" (255mm)	13.19" (335mm)	13.49" (343mm)
B	7.00" (178mm)	7.00" (178mm)	14.94" (380mm)	14.94" (380mm)	14.94" (380mm)
C	12.67" (322mm)	12.53" (318mm)	17.31" (440mm)	17.44" (443mm)	17.19" (437mm)
D	13.13" (333mm)	15.13" (384mm)	11.50" (292mm)	17.50" (445mm)	29.50" (749mm)
E	14.67" (373mm)	16.53" (420mm)	23.31" (592mm)	29.44" (748mm)	41.22" (1047mm)
F	3.50" (89mm)	3.50" (89mm)	3.50" (89mm)	5.00" (127mm)	5.00" (127mm)
Weights	47 lbs. (21 kg.)	51 lbs. (23 kg.)	108 lbs. (49 kg.)	180 lbs. (81 kg.)	271 lbs. (123 kg.)
Conduit Size (Top & Bottom)	1.5"	2.0"	2.5"	3.0"	(2) 3.0"



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