

powerswitch®

Fused & Non-Fused Disconnect Switches

30 A, 60 A, 100 A

Features:

- 200 kA SCCR when protected by Type J Fuse
- IP69K, IP66/IP67/IP68/ IP69 and UL50E Type 3R, 4, 4X, 6P, 12, 13
- Operating temperature range from -40 °C to 75 °C



NSF Certified for use in food & beverage processing areas

Overmold handle with longer length for improved grip and durability

Captive, triple head cover screws constructed of stainless steel



Handle accommodates 3 padlocks for OSHA compliant lockout/tagout



Compact enclosure size for installation versatility



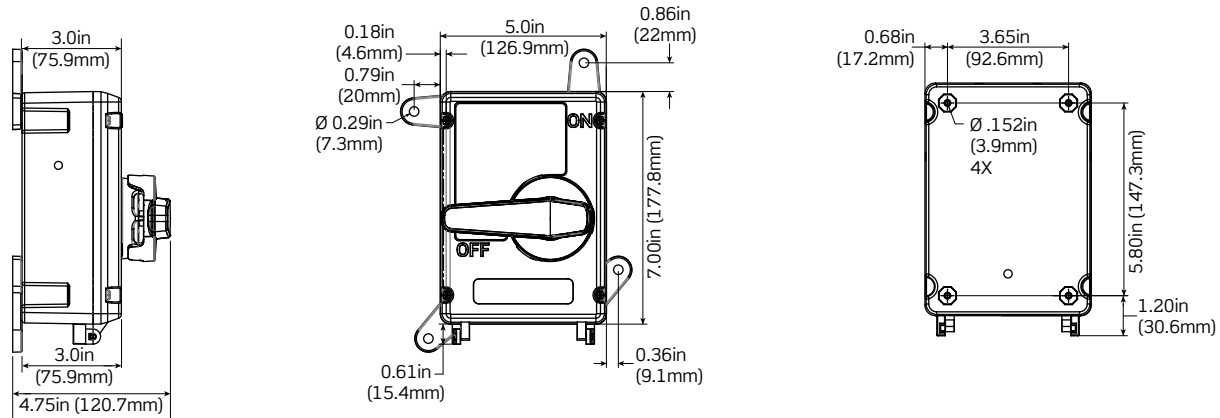
Specifications

Description		NON-FUSED DISCONNECTS			FUSED DISCONNECTS		
Catalog Number		LDS30-AX	LDS60-AX	LDS10-AX	LDS30-FAX	LDS60-FAX	LDS10-FAX
Electrical Specifications							
Amperage		30/32 A	60 A	100 A	30 A	60 A	100 A
Max Voltage		600 V AC	600 V AC	600 V AC	600 V AC	600 V AC	600 V AC
Horsepower	SINGLE PHASE	110 V AC; 2 HP	110 V AC; 2 HP	110 V AC; 7.5 HP	110 V AC; 2 HP	110 V AC; 2 HP	110 V AC; 5 HP
		208 to 240 V AC; 5 HP	208 to 240 V AC; 10 HP	208 to 240 V AC; 20 HP	208 to 240 V AC; 3 HP	208 to 240 V AC; 7.5 HP	208 to 240 V AC; 15 HP
		480 V AC; 5 HP	480 V AC; 10 HP	480 V AC; 30 HP	480 V AC; 3 HP	480 V AC; 7.5 HP	480 V AC; 15 HP
		600 V AC; 5 HP	600 V AC; 10 HP	600 V AC; 30 HP	600 V AC; 3 HP	600 V AC; 7.5 HP	600 V AC; 15 HP
	THREE PHASE	208 to 240 V AC; 10 HP	208 to 240 V AC; 20 HP	208 to 240 V AC; 40 HP	208 to 240 V AC; 7.5 HP	208 to 240 V AC; 15 HP	208 to 240 V AC; 30 HP
		480 V AC; 20 HP	480 V AC; 40 HP	480 V AC; 60 HP	480 V AC; 15 HP	480 V AC; 30 HP	480 V AC; 60 HP
600 V AC; 25 HP		600 V AC; 40 HP	600 V AC; 50 HP	600 V AC; 20 HP	600 V AC; 50 HP	600 V AC; 75 HP	
Current Interrupting		Certified for full-rated current and voltage					
Dielectric Voltage		1,000V plus twice rated voltage for 1 minute					
Minimum Electrical Endurance		6,000 operating cycles at rated current and voltage					
Mechanical Endurance		20,000 Operations (10,000 Operation Cycles)					
Short Circuit Current Rating (SCCR)		10 kA; Fuse Type J; Fuse Size 60A	100 kA; Fuse Type J; Fuse Size 100A	65 kA; Fuse Type J; Fuse Size 100A	200 kA; Fuse Type J; Fuse Size 30A	200 kA; Fuse Type J; Fuse Size 60A	200 kA; Fuse Type J; Fuse Size 100A
Environmental Specifications							
Flammability		UL94V-0	UL94V-0	UL94V-0	UL94V-0	UL94V-0	UL94V-5VA/VO
Operating Temperature*		-40 °C to 75 °C					
UV Resistance		Exposed materials are UV stabilized					
Water/Moisture Resistance		NEMA/UL 50E Type 3R, 4, 4X, 6, 6P, 12, 13 IEC IP66, IP67, IP68, IP69 IP69K	NEMA/UL 50E Type 3R, 4, 4X, 6, 6P, 12, 13 IEC IP66, IP67, IP68, IP69 IP69K	NEMA/UL 50E Type 3R, 4, 4X, 6, 6P, 12, 13 IEC IP66, IP67, IP68, IP69 IP69K	NEMA/UL 50E Type 3R, 4, 4X, 6, 6P, 12, 13 IEC IP66, IP67, IP68, IP69 IP69K	NEMA/UL 50E Type 3R, 4, 4X, 6, 6P, 12, 13 IEC IP66, IP67, IP68, IP69 IP69K	NEMA/UL 50E Type 1, 3R, 4, 4X, 12 IEC IP66, IP67, IP68
Impact Resistance		Meet UL746C					
Material Specifications							
Enclosure		PBT+PC	PBT+PC	PBT+PC	PBT+PC	PBT+PC	Polycarbonate (PC)
Handle		PBT+PC with TPE Overmold					
Enclosure Screws		Stainless Steel					
Enclosure Gasket		Silicone Rubber	Silicone Rubber	Silicone Rubber	Silicone Rubber	Silicone Rubber	Polyurethane foam
Mounting Feet		PBT+PC	PBT+PC	PBT+PC	PBT+PC	PBT+PC	Polycarbonate (PC)
Mechanical Specifications							
Terminal Identification		In accordance with UL and international conventions					
Product Identification		Ratings are permanently marked on device					
Terminal Accom. Switch		AWG #18-8	AWG #14-4	AWG #8-1/0	AWG#18-8	AWG #14-4	AWG #14-2/0
Terminal Accom. Terminal Blocks Neutral		AWG #24-8	AWG #16-1/0	AWG #16-1/0	AWG #24-8	AWG #16-1/0	AWG #6-2/0
Terminal Accom. Terminal Blocks Earth Ground		AWG #26-8	AWG #16-2	AWG #16-2	AWG #26-8	AWG #16-2	AWG #16-2
Standards & Certifications							
NSF		14159-1, Hygienic Requirement for the Design of Meat & Poultry Processing Equipment					
NEMA		NEMA 250					
UL Standard		cULus UL60947-4-1A (Suitable as Motor Disconnect)	cULus UL60947-4-1A (Suitable as Motor Disconnect)	cULus UL60947-4-1A (Suitable as Motor Disconnect)	UL98 (Suitable for Motor Circuits)	UL98 (Suitable for Motor Circuits)	UL98 (Suitable for Motor Circuits)
CSA Standard		—	—	—	CSA C22.2 No. 4-04	CSA C22.2 No. 4-04	CSA C22.2 No. 4-04
NOM		NOM-ANCE Certified					
IEC		IEC 60529					
ISO		ISO 20653					
CE		CE Marked					
Warranty							
Product Warranty		3 Year Limited Warranty					

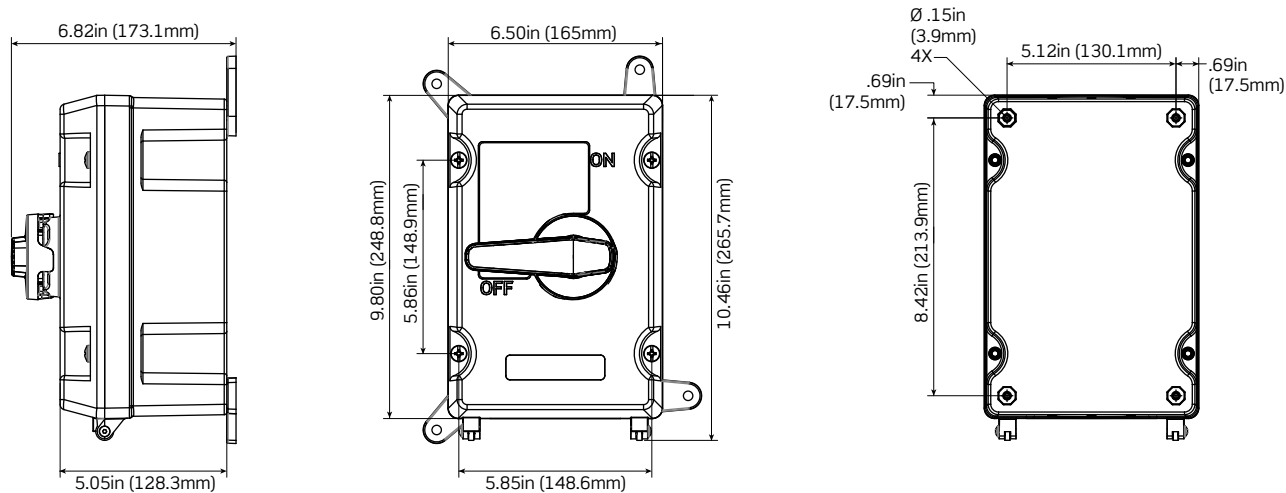
* Derating may apply

Dimensions

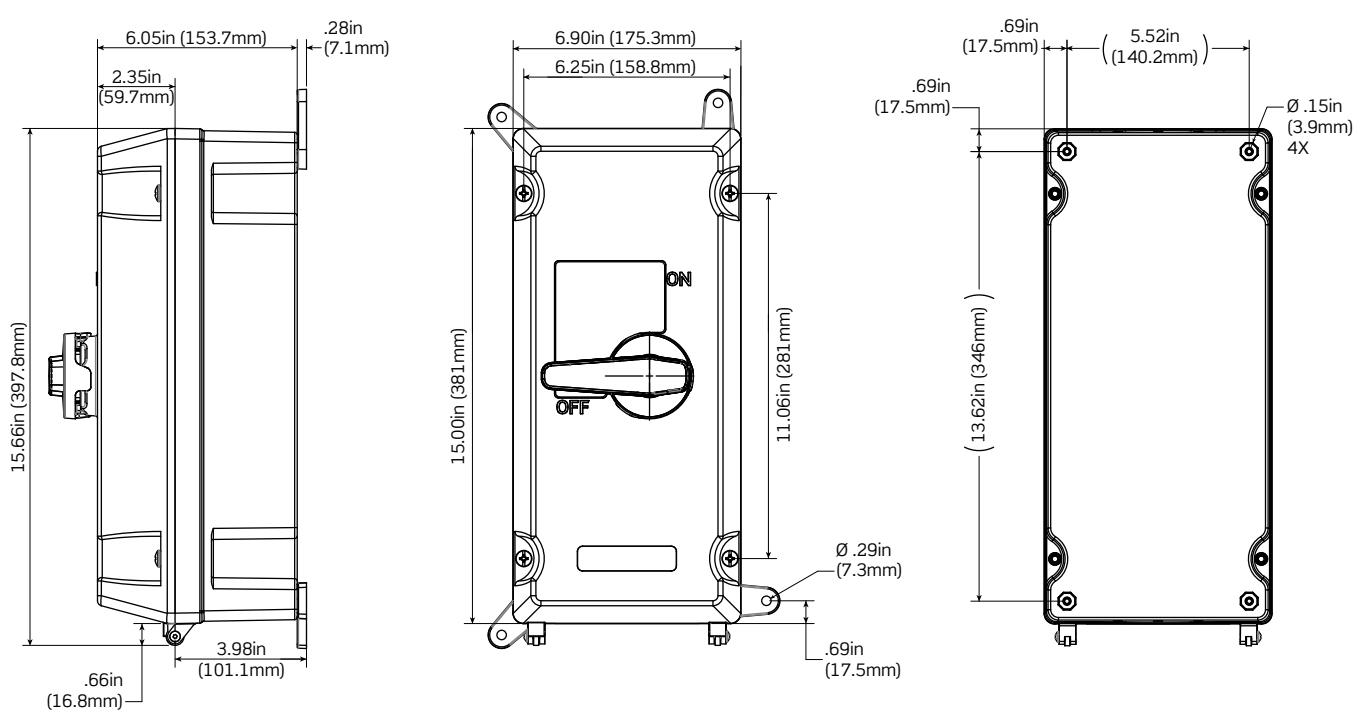
LDS30-AX



LDS30-FAX, LDS60-AX

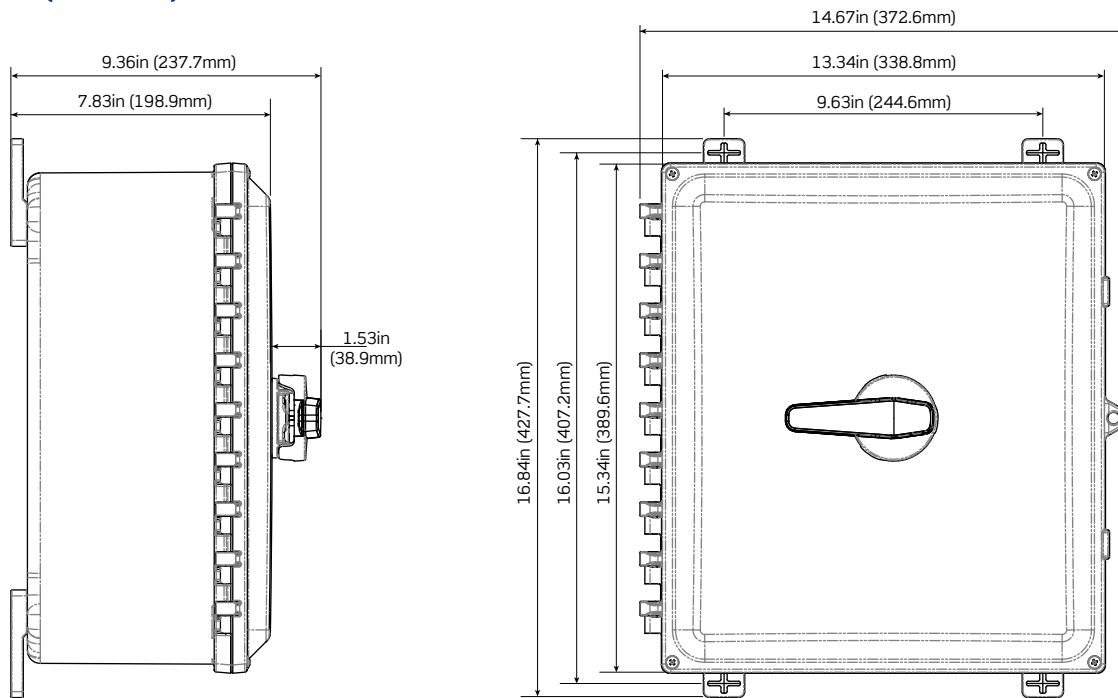


LDS60-FAX, LDS10-AX



Dimensions (Continued)

LDS10-FAX



Ordering Information

Description	Catalog Number
30/32 A, Non-Fused	LDS30-AX
30 A, Fused	LDS30-FAX
60 A, Non-Fused	LDS60-AX
60 A, Fused	LDS60-FAX
100 A, Non-Fused	LDS10-AX
100 A, Fused	LDS10-FAX

Accessories	Catalog Number
Auxiliary Contact, Normally Closed, 30/60 A	AUXNC-NF
Auxiliary Contact, Normally Open, 30/60 A	AUXNO
Replacement Overmold Handle	HNDLE
Replacement Solid PBT Handle	HNDLE-ALT
30 A Replacement Non-Fused Switch	30ASW-NF
60/80 A Replacement Non-Fused Switch	6080A-NF
Breather Drain/Drain Plug, NEMA 4X/IP67	DNPLG
Watertight Conduit Hub, Die-Cast Zinc, ¾"	HUB-34
Watertight Conduit Hub, Die-Cast Zinc, 1"	HUB-100
Watertight Conduit Hub, Die-Cast Zinc, 1 ¼"	HUB-114
Watertight Conduit Hub, Die-Cast Zinc, 1 ½"	HUB-112
Watertight Conduit Hub, Die-Cast Zinc, 2"	HUB-200
Mounting Feet	MOUNT-LDS

Available upon request:

- 30/60/100 A Replacement Fused Switches
- 100 A Replacement Non-Fused Switch
- 100 A Auxiliary Contacts

Visit our Website at:
www.leviton.com/disconnects
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Q-1049

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