

Watertight Safety Disconnect Switches



Engineered to UL & IEC
Watertight Standards

Sold by:



DS30-AX
Engineered to IP65
Water Jetting Standards



DS60-FAX
(Fused)



DS100-AX
(Non-Fused)

2 YEAR LIMITED
WARRANTY

Ordering Information

AMPS	MAX VOLTAGE	CATALOG NO.	
		NON-FUSED	FUSED
30	600V AC	DS30-AX	DS30-FAX
60	600V AC	DS60-AX	DS60-FAX
100	600V AC	DS100-AX	—

ELECTRICAL			
	Device	Current Applied	Duration
Ground Path Integrity	30 A	60 A	2 min
	60 A	120 A	4 min
	100 A	200 A	6 min
Current Interrupting	Certified for current interrupting at full-rated current and voltage		
Endurance	6000 operations at rated current and voltage (Power factor 0.75 – 0.80)		
Dielectric	1000 V plus twice rated voltage for 1 minute		

MECHANICAL	
Mold Stress Relief	70°C for 7 hours
Knockout Test	Remains in place with 20 lb push
Crush	100 lb
Impact	1.2 lb steel ball dropped from 5 ft
Cold Impact	Same as above, after conditioning to -35°C
Strength of Insulating Base and Support	110% of specified tightening torque on terminal screws
Pullout	18 lb pull on internal wires

ENVIRONMENTAL	
Flammability	V2 or better per UL 94 or CSA 22.2 No 0.6; V-0 for watertight enclosure
Rain (3R) per UL 50	Water spray @ 5 psi from all sides for 1 hr
Hosedown (4X) per UL 50	Water spray @ 65 gal/min for 5 minutes
Dust (12K) per UL 50	Cement Dust Circulated @ 1000 ft/minute for 5 minutes
Gasket Aging	70°C for 168 hours
UV Resistance	Exposed plastic materials are UV stabilized
Operating Temperature	-40°C to +60°C (-40°F to +140°F)

VOLTS	MAX. HP RATINGS PER UL508 NON-FUSED SAFETY DISCONNECT SWITCHES		
	DS30-AX	DS60-AX	DS100-AX
120V AC	1	2	5
208V AC	5	20	25
240V AC	2.5	10	15
480V AC	5	20	25
600V AC	NA	20	20
3Ø Y120/208V AC	5	20	25
3Ø 240V AC	5	20	30
3Ø 480V AC	15	40	50
3Ø 600V AC	15	40	50

VOLTS	MAX. HP RATINGS PER UL508 FUSED SAFETY DISCONNECT SWITCHES	
	DS30-FAX	DS60-FAX
120V AC	2	NR
208V AC	7.5	15
240V AC	3	NR
480V AC	15	NR
600V AC	20	NR
3Ø Y 120/208V AC	7.5	15
3Ø 240V AC	7.5	15
3Ø 480V AC	15	30
3Ø 600V AC	20	50

NR = Not Rated NA = Not Available



Safety Disconnect Switches



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- Enclosures are Type 3R, 4X & 12K, IP67*
- Listed to UL 508 for Non-Fused and UL 98 for Fused*
- Certified to CSA Standard C22.2 number 14
- Classified to IEC Standard 947-3
- CE marking per low-voltage directives 73/23/EEC, 93/68/EEC

Material Specifications

30 Amp Switch, Non-Fused

PART	MATERIAL
Housing Cover	Valox 357
Housing Base	Valox 357
Housing Gasket	Solid Chloroprene
Sealing Gasket	Solid Chloroprene
Handle	Valox 357
Screw handle	Stainless Steel
Conduit Grounding Plate	Zinc-Coated Steel
Conduit Hub	Die-Cast Zinc
Switch	Nylon
Switch Terminal Contacts	Brass
Internal Screws	Zinc-Coated Steel
Housing Screws	Stainless Steel
Mounting Feet	Valox 357
Ground Terminal	Plated Brass/Steel
Ground Terminal Block	Nylon
Neutral Terminal	Plated Brass/Steel
Neutral Terminal Block	Nylon

60 & 100 Amp Switch, Non-Fused

PART	MATERIAL
Housing Cover	Valox 357
Housing Base	Valox 357
Housing Gasket	Solid Chloroprene
Sealing Gasket	Solid Chloroprene
Handle	Valox 357
Screw handle	Stainless Steel
Conduit Grounding Plate	Zinc-Coated Steel
Conduit Hub	Die-Cast Zinc
Switch	Reinforced Nylon
Switch Terminal Contacts	Brass
Internal Screws	Zinc-Coated Steel
Housing Screws	Stainless Steel
Hinge Screws	Stainless Steel
Mounting Feet	Valox 357
Ground Terminal	Plated Brass/Steel
Ground Terminal Block	Nylon
Neutral Terminal	Plated Brass/Steel
Neutral Terminal Block	Nylon

30 & 60 Amp Switch, Fused

PART	MATERIAL
Housing Cover	Valox 357
Housing Base	Valox 357
Housing Gasket	Solid Chloroprene
Sealing Gasket	Solid Chloroprene
Handle	Valox 357
Screw handle	Stainless Steel
Conduit Grounding Plate	Zinc-Coated Steel
Conduit Hub	Die-Cast Zinc
Switch	Reinforced Nylon
Switch Terminal Contacts	Brass
Internal Screws	Zinc-Coated Steel
Housing Screws	Stainless Steel
Hinge Screws	Stainless Steel
Fuse Holder	Reinforced Nylon
Mounting Feet	Valox 357
Ground Terminal	Plated Brass/Steel
Ground Terminal Block	Nylon
Neutral Terminal	Plated Brass/Steel
Neutral Terminal Block	Nylon

STANDARDS & CERTIFICATIONS					
Safety Disconnect Switches					
UL 98 Fused	UL 508 Non-Fused	CSA C22.2 No.14	NOM	CE	IEC 947-3
✓	✓	✓	✓	✓	✓

Valox® is a registered trademark of GE.

* IP Ratings & UL Standards

CATALOG NO.	IP RATING	UL STANDARD
DS30-AX	IP65	UL508
DS60-AX	IP67	UL508
DS100-AX	IP67	UL98
DS30-FAX	IP67	UL98
DS60-FAX	IP67	UL98