

SIEMENS

Cat. No. HF225N
400 Amps Maximum
NEMA Type 1

Heavy Duty Safety Switch
240 Volts AC Maximum
Indoor

Type VB II
250 Volts DC Maximum
Suitable for use as Service Equipment

Horsepower Ratings

	240 VAC 1 PH	240 VAC ¹ 3 PH	250 VDC
Std. HP (Std. Fuse)²	15⁴	50	50
Max. HP (Time Delay)	15⁴	125³	—

¹ Suitable for 3-Phase, 3-Wire, Grounded B-Phase Systems.

² The starting current of motors more than the standard horsepower ratings may require the use of fuses with appropriate time delay characteristics.

³ Not for use as a motor controller over 100 horsepower.

⁴ If the fuses of this switch are the sole means of motor protection, fuse per the NEC using UL Listed fuse reducers.

Continuous load current not to exceed 80% of the rating of fuses employed in other than motor circuits.
Horsepower ratings listed above are suitable for use with Design E Motors through 75 HP @ 240 V, 3Ø AC.

Fuse and Short Circuit Information

When used with Class K or H fuses, this switch is suitable for use on a circuit capable of delivering not more than 10,000 amperes, RMS symmetrical, **240** volts, maximum.

When used with Class R fuses and Class R fuse clip kit **HR656** properly installed, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, **240** volts maximum.


When used with Class J fuses with the load base relocated to the "J Fuse" position marked on the enclosure or Class T fuses with the load base relocated to the "T Fuse" position marked on the enclosure, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, **240** volts maximum.

Danger – Unless Class J, R or T fuses are used, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.

When used with fuses marked with DC ratings, this switch is suitable for use on a circuit capable of delivering not more than the DC interrupting rating marked on the fuse, at the DC voltage rating marked on the fuse, up to a maximum of 100,000 amperes, **250** volts DC.

Danger – Unless fuses marked for an interrupting rating of 100,000 amperes at **250** volts DC are used, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes.

Renewable link fuses are not recommended.

	⚠ DANGER
Hazardous Voltage. Will cause death or serious injury.	
Turn off switch before replacing any fuse. Disconnect power supplying this switch before working inside. Close cover before turning power on.	

Torque Fuse Clamp Mounting screws to 50 lb-ins.

Terminal & Wire Information

USE 75° COPPER OR ALUMINIUM WIRE

Terminal & Wire Information			
Description	Wire Range	Wire Tightening Torque ⁵	Lug Mounting Torque ⁵
Line, Load & Main Neutral	1/0 - 750 kcmil, Cu Al (2) 1/0 - 250 kcmil, Cu Al	500 lb-ins	65 lb-ins.
Ground	#6-300 kcmil, Cu Al	275 lb-ins.	65 lb-ins.

UL Listed Compression Lugs (Refer to manufacturers instructions for proper installation)⁶

Wire Size	Burdny		Thomas & Betts		IlSCO	
	CU ONLY	CU / AL	CU ONLY	CU / AL	CU ONLY	CU / AL
2/0	YA26-N	YA26A1	54160 54951BE			IACL-2/0 ACN-2/0
3/0	YA27-L Box YA27	YA27A3	54165-TB 54965BE		CRB-3/0 CRB-3/0L	IACL-3/0 ACN-3/0
4/0	YA28-L Box YA28	YA28A3	54170 54970BE	60150	CRB-4/0 CRB-4/0L	IACL-4/0 ACN-4/0
250 Kcmil	YA29-L Box YA29	YA29A1	54113 54913BE	61156 60156	CRA-250 CRA-250L	IACL-250 ACL-250
300 Kcmil	YA30-L YA30	YA30A1	54114 54914BE	61162 60162	CRA-300 CRA-300L	IACL-300 ACL-300
350 Kcmil	YA31-L YA31	YA31A1	54915BE	61165 60165	CRA-350 CRA-350L	IACL-350
400 kcmil	YA32-N		54116 54916BE			
500 kcmil	YA34-L6 YA34-N			61171		IACL-500

⁵ When tightening or replacing connectors, refer to lug mounting torque in Terminal & Wire Information Table.

⁶ If compression lugs are used, order compression lug mounting kit **HCL65**.

Inspection record number:

Accessories

Aux. Switch (1NO - 1NC)	HA165678	Neutral	HN656	Class R Fuse Kit (Rejects Class H & K Fuses)	HR656
Aux. Switch (2NO - 2NC)	HA265678	200% Neutral	HN656	Compression Lug Mounting Kit	HCL65 ⁶
Low Voltage Aux. Sw. (1NO - 1NC)	HA365678	Ground Lug Kit (Wire Range #14-2/0)	HG656		
Wire Grip Kit (CU)	HLC65678	Isolated Ground Lug Kit	HG2656		

Replacement Parts

Line Base	HFB65	Wire Grip Kit (AL)	HL65678	Handle / Handle Guar	HH65678
Load Base	HBB656	Mechanism	HM65	Door	HF225NDOOR

For questions on this device please call 1-800-241-4453.

Pc. No. 508057E02
0101

Siemens Energy & Automation, Inc.
Bellefontaine, Ohio 43311 U.S.A.
<http://www.sea.siemens.com / dpd>