

Accessories & Lug Data

Type VBII 3R Hubs^① (60–600A GD 30–1200A HD)

Conduit Size (Inches)	Catalog Number	Std. Pkg.	Ship. Wgt. (Std. Pkg.)	For Use on Switches Rated
¾	ECHS075	1	.50	30–200A HD, 60–200AGD
1	ECHS100	1	.50	30–200A HD, 60–200AGD
1¼	ECHS125	1	.50	30–200A HD, 60–200AGD
1½	ECHS150	1	.50	30–200A HD, 60–200AGD
2	ECHS200	1	.50	30–200A HD, 60–200AGD
2½	ECHS250	1	.50	30–200A HD, 60–200AGD
2½	ECHV250	1	1.00	400–1200A ^{③⑤}
3	ECHV300	1	1.00	400–1200A ^{③⑤}
3½	ECHV350	1	1.00	400–1200A ^{③⑤}
4	ECHV400	1	1.00	400–1200A ^{③⑤}

Auxiliary Contacts^⑦

Auxiliary Contacts are available only for Heavy Duty and Double Throw Switches. The auxiliary contacts are available in 1 normally open and 1 normally closed or 2 normally open and 2 normally closed configurations. All auxiliary contacts make after and break before the main switch contacts.

Switch Ampere Rating	Aux. Switch Catalog Number	Kit Ampere Rating			Kit Horsepower Rating		
		125V AC	250V AC	28V DC	125V AC	250V AC	28V DC
		Max.	Max.	Max.	Max.	Max.	Max.

With 1 NO & 1 NC Isolated Contacts

30-200	HA161234M	10	10	–	1/2	3/4	–
400-1200	HA165678M	10	10	–	1/2	3/4	–

With 2 NO & 2 NC Isolated Contacts

30-200	HA261234M	10	10	7	1/2	3/4	–
400-1200	HA265678M	10	10	7	1/2	3/4	–

Compact & 30A GD Switch Hubs

Conduit Size (Inches)	Catalog Number	Approx. Wgt. Lbs. (Std. Pkg.—1)
¾	ECHA075	.10
1	ECHA100	.10
1¼	ECHA125	.10

Plugs for Protector-Lock® Switches

Catalog Number ^②	Approx. Wgt. Lbs. (Std. Pkg.—1)	Rating	Description
APJ6485	5.00	60A, 600V AC	High impact strength, copper-free aluminum. Accepts 0.64–1.37" diameter cord.
AX103S	.80	30A, 600V AC	Armored steel with cord grip. Accepts 0.562–1.000" diameter cord.

Closure Plates

Catalog Number	Rating
ECHS000	⑥
ECHV000	400–1200A
HVHRA ^④	400–1200A

General & Heavy Duty Switches Lug Data

30-100A Switches are suitable for use with 60° or 75°C wire.
100-1200A are suitable for use with 75°C rated wire.

Wire Ranges (Line, Load and Standard Neutral)		
Switch Ampere Rating	Wire Range with Wire-Bending Space Per NEC Table 373-6	Lug Range
30 GD	#14-8 AWG (Cu/Al) ^⑧	#14-8 AWG (Cu/Al) ^⑧
30	#12-6 AWG (Al) or #14-6 AWG (Cu)	#14-2 AWG (Cu/Al)
60	#12-3 AWG (Al) or #14-3 AWG (Cu)	#14-2 AWG (Cu/Al)
100	#14-1/0 AWG (Cu/Al)	#14-1/0 AWG (Cu/Al)
200	#6 AWG-300 Kcmil (Cu/Al)	#6 AWG-300 Kcmil (Cu/Al)
400 ^⑨	1/0 AWG-750 Kcmil (Cu/Al) or (2) 1/0 AWG-250 Kcmil (Cu/Al)	(1) 1/0 AWG-750 Kcmil (Cu/Al) or (2) 1/0 AWG-250 Kcmil (Cu/Al)
600 ^⑨	(2) 3/0 AWG-750 Kcmil (Cu/Al) or (4) 3/0 -250 Kcmil (Cu/Al)	(2) 1/0 AWG-750 Kcmil (Cu/Al) or (4) 1/0 AWG-250 Kcmil (Cu/Al)
800	(3) 3/0 AWG-750 Kcmil (Cu/Al) Line and Load or (6) 3/0 AWG-250 Kcmil (Cu/Al) (4) 1/0 AWG-750 Kcmil (Cu/Al) neutral	(3) 1/0 AWG-750 Kcmil (Cu/Al) Line and Load or (6) 1/0 AWG-600 Kcmil (Cu/Al) neutral (4) 1/0 AWG-750 Kcmil (Cu/Al) neutral
1200	(4) 3/0 AWG-750 Kcmil (Cu/Al) or (4) 1/0 AWG-600 Kcmil (Cu/Al) neutral	(4) 1/0 AWG-750 Kcmil (Cu/Al) Line and Load (4) 1/0 AWG-600 Kcmil (Cu/Al) neutral

①Also for 30-200 double throw switches. Not for use on compact switches.

②Net Price. No discount.

③400A and larger Type 3R switches have no provisions for mounting hubs. Drill or punch hole in the field to accommodate hub size desired.

④HV to HR adapter plate. Order ECHR series hub separately.

⑤For gasket kit for HV type hub order catalog number HVGKM.

⑥60-200A GD, 30-200A HD

⑦Two auxiliary contacts required per double throw switch.

⑧Connector will accept up to #6; conductors on line side and retain UL listing. Also applies to 30 compact switches.

⑨Max. wire size for height reduced switches is 500 kcmil (Cu/Al).