Knockouts & Wire Bending Space

Breaker Frame	Conduit Range Per Knockout Outside Dimensions (inches)	Types 1, 12 and 12K — Number of Knockouts Per Panel (Type 4, 4X, 12 have no KO's)				Type 3R — Number of Knockouts Per Panel (Type 4, 4X, 12 have no KO's)				Maximum Cable Sizes Recommended (Cu/Al) for Type 1, 3R, 4, 4X, 12 & 12K Enclosures⑤⑥
		Top	Bottom	Side	Back	Bottom	Side	Back	Maximum Hub Size (inches) Type 3R	
QP, QPH, HQP 15–125	½, ¾, 1, 1¼, 1½	4	4	4	4	3	1	1	2	7⅛" high encl. #6③
BQ, BQH, HBP 70–100	¾, 1, 1¼	1	1	2	2	8	1	3	2	④
QPP, QPPH, HQPP 125–225	½, ¾, 1, 1¼, 1½, 2, 2½	—	—	—	—	4	1	1	2½	250 kcmil
QJ	1½, 2, 2½, 3	2	2	2	2	3	1	1	2½	④
NGG	¾, 1, 1¼, 1½, 2, 2½	—	—	—	—	—	—	—	—	
ED2, ED4, ED6, HED4	⅞, 1⅛, 1⅜, 1¾, 2	2	2	2	2	2	1	1	2	④
CED6	⅞, 1⅛, 1⅜, 1¾, 2	2①	2①	—	—	2	—	—	2	④(CFD6 only 300 kcmil)
	⅞, 1⅛, 1⅜, 1¾, 2, 2½	2	2	2②	2②	—	1	1		
FXD6, FD6, FXD6, FD6 HFD6, CFD6	1⅛, 1⅜, 1¾, 2, 2½, 3	1	1	2②	2②	1	1	—	4	④
		1	1	—	—	1	—	—		
JXD2, JXD6, JD6, HJD6, HJXD6, HHJD6, HHJXD6, SJD6, SHJD6	1½, 2, 2½, 3, 3½, 4	1	1	2	4	—	—	—	4	(2) 600 kcmil
LXD6, LD6, HLXD6, HLD6, HHLD6, HHLXD6, SLD6, SHLD6	1½, 2, 2½, 3, 3½, 4	1	1	2	4	—	—	—	4	(2) 600 kcmil
LMXD6, LMD6 HLMXD6, HMLD6	—	—	—	—	—	—	—	—	4	(3) 600 kcmil
MD6, SMD6, HMD6 ND6, SND6, HND6	—	—	—	—	—	—	—	—	4	(3) 600 kcmil or (4) 500 kcmil

Hubs (Type 3R)

Breaker Frame	Conduit Size (inches)	Catalog Number
QP, QPH, HQP, BQ, BQH, HBQ, NGG	¾	**ECHS075**
	1	**ECHS100**
	1¼	**ECHS125**
	1½	**ECHS150**
	2	**ECHS200**
QPP, QPPH, HQPP, QJ2, QJH2, QJ2-H	1¼	**ECHS125**
	1½	**ECHS150**
	2	**ECHS200**
	2½	**ECHS250**
ED2, ED4, ED6, HED4, HED6, HHED6, CED6	¾	**ECHR075**
	1	**ECHR100**
	1¼	**ECHR125**
	1½	**ECHR150**
	2	**ECHR200**
FXD6, FD6, HFD6, HFXD6, CFD6, JXD2, JD6, JXD6, HJD6, HJXD6, LD6, LXD6, HLD6, HLXD6(A)	2	**ECHV200**
	2½	**ECHV250**
	3	**ECHV300**
	3½	**ECHV350**
	4	**ECHV400**

Note: Enclosures for 250A max breakers have a hub provision on the rainshed. Enclosures for larger breakers (J, L, M & N frame) have blank top rainsheds. Drill or punch hole in the field to accommodate hub size desired.

For inches / millimeters conversion, see Application Data section.

①Type 12K only.

②Type 12K enclosure has no knockouts this location.

③17⅛" high enclosure provides sufficient wire bending space for all available CB lugs.

④Sufficient wire bending space is provided for all available mechanical type CB lugs.

⑤The use of cables larger than those listed below may violate NEC & UL wire bending space requirements.

⑥The use of compression type connectors will violate NEC and UL wire bending space requirements.