

COOPER Crouse-Hinds

QBX 4X STEEL ENCLOSURE RANGE



The **QBX** range is an “UL certified” enclosure solution available in various options of materials and finishes and is fully compliant with impact resistance, thermal and ingress requirements of EN50014, and is available in a comprehensive range of 12 different sizes suitable for a wide range of applications, both electrical and mechanical.

Unlike many industrial enclosures the Cooper Crouse-Hinds QBX is UL 4X certified that provides optimum environmental performance and protection. The QBX has undergone ingress protection testing to EN50529 and has a certified ingress protection of IP66. This ensures that ingress protection is maintained with impact resistance up to 7nm and within the minimum and maximum stated operating temperature.

This means that the ingress protection rating of IP66 will be maintained in the event of an impact on the enclosure of up to 7nm, additionally the ingress protection will be maintained through the entire operational temperature range specified.

Using the highest quality materials, design benefits and high quality manufacturing the **QBX** range is the benchmark in enclosures of its class.

- Material/ Finish**.....316L (1.4404 to EN 10088) Stainless Steel.
304 (1.4301 to EN 10088) Stainless Steel.
Superior “corrosion resistant” electro-chemically polished surface.
Sheet Steel - Polyester powder coated to RAL 7032.
- Gasket Material**.....High integrity “one piece” foam in place polyurethane gasket.
- Door Fixing**.....Fully removable, 110° opening lid with 2 or 3 hinges / 1or 2 , ¼ turn latches.
(Optional handles and lock with 10 key variations)
- Enclosure Mounting**.....4 x external lugs, 11mm holes that can be mounted vertically, horizontally or diagonally.
(supplied loose in bag with fixing screws and washers).
- Equipment Mountings**.....4 x stand off pillars 9mm Ø, 25mm high, tapped M6 x10.
- Internal Gear Plate**.....2mm thick Zinctec gear plate.
- Gland Plate**Optional bottom face gland plate on request.
- Enclosure Earthing**.....Internal M6 stud on base & door.
- Ingress protection**.....IP66 to BS EN60529.
- Temperature Range**..... -20°C (-4°F) to +80°C (-176°F).
- Certification**.....cULus to UL50 / C22.2, no. 94-M91 types 3S, 4, 4X.
Germanischer Lloyd (GL).

Enclosure / terminal assemblies configured to meet clients specification within certification parameters.
Refer to our website: www.enclosures-crouse-hinds.uk.com for further company & product information.

QBX ENCLOSURE TECHNICAL DATA

DIMENSIONS IN MM (HEIGHT X WIDTH X DEPTH)		300 x 200 x 120	300 x 300 x 120	400 x 300 x 120	400 x 400 x 120	500 x 400 x 120	600 x 400 x 120	300 x 300 x 220	300 x 400 x 220	400 x 300 x 220	400 x 400 x 220	400 x 500 x 220	500 x 400 x 220	500 x 500 x 220	500 x 600 x 220	600 x 400 x 220	600 x 500 x 220	600 x 600 x 220	700 x 500 x 220	700 x 600 x 220	800 x 600 x 220	
WEIDMULLER PART REFERENCE																						
MATERIAL THICKNESS																						
	BODY	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
	LID	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
WEIGHT (EMPTY ENCLOSURE)		kg	2.78	3.61	4.70	5.96	6.42	7.41	5.15	6.23	6.23	7.45	8.67	8.67	10.04	11.41	9.81	11.41	13.00	12.78	14.43	16.50
INTERNAL MOUNTING PLATE		dimensions, h x w	255 x 155	255 x 255	355 x 255	355 x 355	455 x 355	555 x 355	255 x 255	255 x 355	355 x 255	355 x 355	355 x 455	455 x 355	455 x 455	455 x 555	555 x 355	555 x 455	555 x 555	655 x 455	655 x 555	755 x 555
AVAILABLE GLANDING AREA (BOTTOM ONLY)		CENTRAL	160 x 60	247.5 x 60	247.5 x 60	(not central)	(not central)	(not central)	247.5 x 160	(not central)	247.5 x 160	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)
	LEFT	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)
	RIGHT	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)	(central)
MAXIMUM No. of ENTRIES																						
	M16	10	16	16					40		40											
	M20	4	7	7					24		24											
	M25	3	5	5					15		15											
	M32	2	4	4	(not central)	(not central)	(not central)	11	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)
	M40	0	0	0				7		7												
	M50	0	0	0				6		6												
	M63	0	0	0				3		3												
	M16				10	10	10		25		25		25	25	40	25	25	40	25	40	25	40
	M20				4	4	4		16		16		16	16	24	16	16	24	16	24	16	24
	M25				3	3	3		9		9		9	9	15	9	9	15	9	15	9	15
	M32	(central)	(central)	(central)	2	2	2	(central)	6	(central)	6		6	6	11	6	6	11	6	11	6	11
	M40				0	0	0		4		4		4	4	7	4	4	7	4	7	4	7
	M50				0	0	0		4		4		4	4	6	4	4	6	4	6	4	6
	M63				0	0	0		1		1		1	1	3	1	3	1	3	1	3	3
	M16	(central)	(central)	(central)	10	10	10	(central)	25	(central)	25		40	25	40	40	25	40	40	40	40	40
	M20				4	4	4		16		16		16	16	24	16	16	24	16	24	16	24
	M25				3	3	3		9		9		9	9	15	9	9	15	9	15	9	15
	M32				2	2	2		6		6		6	6	11	6	6	11	6	11	6	11
	M40				0	0	0		4		4		4	4	7	4	4	7	4	7	4	7
	M50				0	0	0		4		4		4	4	6	4	4	6	4	6	4	6
	M63				0	0	0		1		1		1	1	3	1	3	1	3	1	3	3
BOTTOM - LEFT																						
BOTTOM - RIGHT																						
Gland quantities are based on recommended distance between centres.																						
TERMINAL CONTENT (No. of Terminal Rails x No. of Terminals per Rail)																						
	Terminal Type (thickness)																					
	Terminal Rail Orientation																					
2.5mm sq. (5mm wide)	Vert	1 x 42	3 x 42	3 x 62	4 x 62	4 x 82	4 x 102	3 x 42	4 x 42	3 x 62	4 x 62	5 x 62	4 x 82	5 x 82	6 x 82	4 x 102	5 x 102	6 x 102	5 x 122	6 x 122	6 x 142	
	Horiz	3 x 22	3 x 42	4 x 42	4 x 62	5 x 62	6 x 62	3 x 42	3 x 62	4 x 42	4 x 62	5 x 62	4 x 82	5 x 82	6 x 82	6 x 62	6 x 102	6 x 102	7 x 82	7 x 102	7 x 102	
4mm sq (6mm wide)	Vert	1 x 35	2 x 35	2 x 51	3 x 51	3 x 68	3 x 85	2 x 35	3 x 35	2 x 51	3 x 51	4 x 51	3 x 68	4 x 68	5 x 68	3 x 85	3 x 85	5 x 85	4 x 101	5 x 101	5 x 118	
	Horiz	2 x 18	3 x 35	3 x 35	3 x 51	4 x 51	5 x 51	2 x 35	2 x 35	2 x 51	3 x 35	3 x 51	3 x 68	4 x 51	4 x 68	5 x 51	4 x 85	5 x 85	6 x 88	6 x 88	7 x 85	
6mm sq.(8mm wide)	Vert	1 x 26	2 x 26	2 x 38	3 x 38	3 x 51	3 x 63	2 x 26	3 x 26	2 x 38	3 x 38	4 x 38	3 x 51	4 x 51	5 x 51	3 x 63	4 x 63	5 x 63	4 x 76	5 x 76	5 x 98	
	Horiz	2 x 13	2 x 26	3 x 26	3 x 38	4 x 38	5 x 38	2 x 26	2 x 26	2 x 38	3 x 38	3 x 51	4 x 38	4 x 51	5 x 51	5 x 38	5 x 51	5 x 63	6 x 51	6 x 51	7 x 63	
10mm sq. (10mm wide)	Vert	1 x 21	2 x 21	2 x 31	3 x 31	3 x 41	3 x 51	2 x 21	3 x 21	2 x 31	3 x 31	4 x 31	3 x 41	4 x 41	5 x 41	3 x 51	4 x 51	5 x 51	4 x 61	5 x 61	5 x 71	
	Horiz	2 x 11	2 x 21	3 x 21	3 x 31	4 x 31	5 x 31	2 x 21	2 x 21	2 x 31	3 x 31	3 x 41	4 x 31	4 x 41	5 x 41	5 x 31	5 x 41	5 x 51	6 x 41	6 x 41	7 x 51	

Based on the physical constraints of the enclosure.

QBX Range Enclosure - General Arrangement

