

Stainless Steel and Painted Enclosures

COOPER Crouse-Hinds



OFFSHORE



MARINE



PETROCHEMICAL

HAZARDOUS AREA & INDUSTRIAL ENCLOSURE SOLUTIONS

www.enclosures-crouse-hinds.uk.com



POWER GENERATION

Cooper Crouse-Hinds (UK) Ltd
Dorset Road Sheerness
Kent ME12 1LP
www.enclosures-crouse-hinds.uk.com

REV 0907

ENCLOSURE SOLUTIONS

COOPER Crouse-Hinds

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Customized Enclosure Services

ENCLOSURE SOLUTIONS



COMPANY PROFILE



Cooper Crouse- Hinds (UK) Ltd. is a DIN EN ISO 9001: 2000 registered company manufacturing a range of high quality and robust junction boxes, enclosures and custom electrical assemblies. These have been designed and engineered to meet the requirements of the most demanding hazardous area, marine and heavy industrial environmental applications.

With over 30 years of experience in the design, engineering and manufacture of enclosures and custom electrical assemblies, Cooper Crouse-Hinds provides proven, tried and tested solutions using quality materials and processes to provide products to endure the harshest environmental conditions for project and installation requirements.

Our core manufacturing expertise is in the manufacture of metallic fabricated enclosures in both steel and various grades of stainless steel. These enclosures are available in options of different material finishes including electro-polished, powder coated or natural finish, depending on the material and application.

As a result of this our enclosures have the inherent benefits of a high degree of environmental ingress protection.

The Cooper Crouse-Hinds enclosure product line is renowned worldwide for quality, performance, longevity, and value. This is reflected by an impressive portfolio of global customers which include the major oil and pharmaceutical companies world-wide.

In addition to our standard range enclosure products we also manufacture many customised solutions for OEM customers that require an enclosure to meet a defined specification. These maybe variations on a standard product range to accommodate a customer's products or assemblies; alternatively it could be a completely custom design for a specific application.

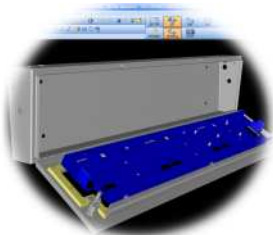
At Cooper Crouse-Hinds we also undertake sub-contract works using our highly skilled and motivated work force in our modern production facility that has a comprehensive plant portfolio to provide a number or combination of services

ENCLOSURE SOLUTIONS

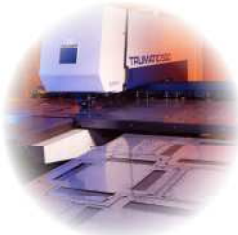
COOPER Crouse-Hinds

COMPANY PROFILE

- **Design and Engineering**
 - Radan 3D modelling
 - CAD Drawing
 - Documentation
- **Fabrication and Welding**
 - CNC Punching and Forming
 - CNC TIG and MIG processes
 - Skilled workforce
- **Finishing**
 - Polyester Powder Coating
 - Stainless Steel Electro-polishing
- **Electrical Sub-Assembly**
 - Custom Assembly
 - Labelling
 - Engraving
 - Machining



• Design



• Punching



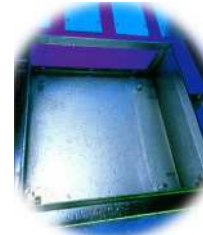
• Folding



• Welding



• Painting



• Electro Polishing

ENCLOSURE SOLUTIONS

COOPER Crouse-Hinds



C E R T I F I C A T E

DQS GmbH
Deutsche Gesellschaft zur Zertifizierung von Managementsystemen
hereby certifies that the company



COOPER Crouse-Hinds GmbH

Neuer Weg Nord 49
D-69412 Eberbach

with the organizational units/sites as listed in the annex
for the scope

Development, production and sales of explosion protected products and systems standard and custom build enclosures for both nonhazardous and hazardous area applications

has implemented and maintains a

Quality Management System.

An audit, documented in a report, has verified that this quality management system fulfills the requirements of the following standard:

DIN EN ISO 9001 : 2000
December 2000 edition

This certificate is valid until 2011-07-14

Certificate Registration No. 081078 QM

Frankfurt am Main 2008-07-15



Ass. iur. M. Drechsel

MANAGING DIRECTORS

D-60433 Frankfurt am Main, August-Schanz-Straße 21

Dipl.-Ing. S. Heinloth



Annex to Certificate Registration No.: 081078 QM

COOPER Crouse-Hinds GmbH

Neuer Weg Nord 49
D-69412 Eberbach

Organizational unit/site

Cooper Crouse-Hinds B.V.
Vertriebsstandort
Sydneystraat 74
NL-3047 BP Rotterdam

Cooper Crouse-Hinds
Vertriebsstandort
Unit G, Quinn Close
Seven Stars Industrial Estate
Whitley
GB-Coventry CV3 4LH

Cooper Crouse-Hinds AS
Vertriebsstandort
Husebysletta
N 3412 Lierstrand

Cooper Crouse-Hinds (UK) Ltd.
Enclosures Division
GB-Sheerness, Kent ME12 1 LP

Cooper Crouse-Hinds S.A.
Avda. Santa Eulalia, 290
E-08223 Terrassa (Barcelona)

Scope

Sales of explosion protected products and systems standard and custom build enclosures for both nonhazardous and hazardous area applications

Sales of explosion protected products and systems standard and custom build enclosures for both nonhazardous and hazardous area applications

Sales of explosion protected products and systems standard and custom build enclosures for both nonhazardous and hazardous area applications

Development, production and sales of explosion protected products and systems standard and custom build enclosures for both nonhazardous and hazardous area applications

Development, production and sales of explosion protected products and systems standard and custom build enclosures for both nonhazardous and hazardous area applications

This annex (edition: 2008-07-15) is only valid in connection with the above-mentioned certificate.

Cooper Crouse-Hinds (UK) Ltd
Dorset Road Sheerness
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REV 0907



Ex-Cell STEEL ENCLOSURES

COOPER Crouse-Hinds

HIGH INTEGRITY ENCLOSURE / TERMINATION SOLUTIONS

The **Ex-Cell** range is an **ATEX** and **IECEx** certified steel and stainless steel junction box solution fully compliant with the impact, UV, thermal and ingress protection requirements for hazardous locations.

Available in a wide range of sizes to meet a diverse range of applications. Ideal for electrical and instrumentation applications.

Using the highest quality materials, design benefits and precision manufacturing the **Ex-Cell** range is the benchmark for quality and performance in steel enclosures.

The Stainless Steel versions are suitable for salt laden atmospheres and harsh environmental conditions.



- FIP gasket
- Excellent recovery properties



- Integral drainage channel



- internal / external earth stud



- Heavy-duty welded mounting lugs

- **Material:**
- **Material Thickness:**
- **Finish:**
- **Gasket Material:**

Stainless Steel grades 316L (1.4401) & 304 (1.4301) or Sheet Steel.
Body – 1.2mm, Door - 1.2mm (up to 400 x 300), 1.5mm for larger sizes.
Stainless Steel: Electro-chemical polish. Sheet Steel: Powder polyester Grey RAL 7032.
Door – foam in place polyurethane (FIP), Gland Plate – Chloroprene closed cell sponge.

Option: Silicon closed cell sponge available for door and gland plate sealing.

- **Door Fastening:**

Hinged door with chrome plated die cast zinc ¼ turn latches.

Option: Captive stainless steel slotted hex head screws.

- **Enclosure Mounting:**
- **Equipment Mountings:**
- **Enclosure Earth:**

4 x external 3mm thick welded lugs, 11mm Ø holes / slots.

4 x stand off pillars Ø 9mm, 25mm high, tapped M6 x10.

M10 external / internal brass earth stud assembly.

- **Ingress Protection Rating:**

IP66

- **Temperature Range:**

-20°C to +40°C (FIP gasket material) **Option:** -55°C to +55°C (Silicon)

- **Impact Resistance:**

7 J (Nm)

- **Certification:**

Component certified II 2 GD Ex e II - ATEX (PTB02ATEX1021U) & IECEx (IECEx BKI 08.0001U)

Industrial Control Panel UL cULus to UL50 / c22.2 no. 94-m91, types 3S, 4, 4X GOST-R



Ex-Cell with ¼ turn double bit latch & horizontal mounting lugs

Ex-Cell with retained lid bolts & horizontal mounting lugs



Other options available

NOTE: empty enclosure is component certified – for custom assembly service and apparatus certification please contact your local sales representative

TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (150 deep)

CCH REFERENCE			XLH 231513	XLH 262615	XLH 302015	XLH 303015	XLH 403015	XLH 404015
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			229 x 152 x 127 (9" x 6" x 5")	260 x 260 x 152 (10.2" x 10.2" x 6")	305 x 203 x 152 (12" x 8" x 6")	305 x 305 x 152 (12" x 12" x 6")	406 x 305 x 152 (16" x 12" x 6")	406 x 406 x 152 (16" x 16" x 6")
FIXING CENTERS (mm)	Vertical		152	170	203	203	267	267
	Horizontal		208	316	259	361	361	462
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2	1.2	1.2
	DOOR		1.2	1.2	1.2	1.2	1.2	1.5
WEIGHT (empty)	kg		2.35	2.80	3.4	4.6	5.7	7.1
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical		129	160	205	205	306	306
	Horizontal		52	160	103	205	205	306
RAIL LENGTH (mm)	Vertical		149	180	225	225	326	326
	Horizontal		72	180	123	225	225	326
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			108 x 58	214 x 80	156 x 80	261 x 80	261 x 80	337 x 80
LEFT & RIGHT			108 x 58	114 x 80	156 x 80	156 x 80	261 x 80	261 x 80
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16		6	19	13	23	23	31
	M20		3	11	8	14	14	17
	M25		2	5	4	7	7	9
	M32		1	4	3	5	5	6
	M40		0	3	2	4	4	5
	M50		0	2	2	3	3	4
	M63		0	0	0	0	0	0
LEFT / RIGHT	M16		6	10	13	13	23	23
	M20		3	5	8	8	14	14
	M25		2	3	4	4	7	7
	M32		1	2	3	3	5	5
	M40		0	1	2	2	4	4
	M50		0	1	2	2	3	3
	M63		0	0	0	0	0	0
TERMINAL CONTENT								
Terminal conductor size	Orientation							
	2.5 mm ²	Vertical	1 x 19	2 x 25	1 x 36	3 x 36	3 x 56	3 x 56
	4 mm ²	Vertical	1 x 16	2 x 22	1 x 30	2 x 30	2 x 46	3 x 46
	6 mm ²	Vertical	1 x 12	1 x 17	1 x 23	2 x 23	2 x 36	3 x 36
	10 mm ²	Vertical	1 x 10	1 x 14	1 x 18	2 x 18	2 x 28	3 x 28
	16 mm ²	Vertical	1 x 9	1 x 11	1 x 15	2 x 15	2 x 23	3 x 23

NOTES : -

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (150 deep)

CCH REFERENCE			XLH 405015	XLH 504015	XLH 505015	XLH 604015	XLH 605015	XLH 606015
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			406 x 508 x 152 (16" x 20" x 6")	508 x 406 x 152 (20" x 16" x 6")	508 x 508 x 152 (20" x 20" x 6")	610 x 406 x 152 (24" x 16" x 6")	610 x 508 x 152 (24" x 20" x 6")	610 x 610 x 152 (24" x 24" x 6")
FIXING CENTERS (mm)	Vertical		267	354	354	445	445	445
	Horizontal		564	462	564	462	564	666
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2	1.2	1.2
	DOOR		1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		8.5	8.5	10.2	9.9	11.8	13.7
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical		306	408	408	510	510	510
	Horizontal		408	306	408	306	408	510
RAIL LENGTH (mm)	Vertical		326	428	428	530	530	530
	Horizontal		428	326	428	326	428	530
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			464 x 80	337 x 80	464 x 80	337 x 80	464 x 80	562 x 80
LEFT & RIGHT			261 x 80	337 x 80	337 x 80	464 x 80	464 x 80	464 x 80
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16		42	31	42	31	42	52
	M20		22	17	22	17	22	28
	M25		13	9	13	9	13	15
	M32		9	6	9	6	9	11
	M40		7	5	7	5	7	9
	M50		6	4	6	4	6	7
	M63		0	0	0	0	0	0
LEFT / RIGHT	M16		23	31	31	42	42	42
	M20		14	17	17	22	22	22
	M25		7	9	9	13	13	13
	M32		5	6	6	9	9	9
	M40		4	5	5	7	7	7
	M50		3	4	4	6	6	6
	M63		0	0	0	0	0	0
TERMINAL CONTENT								
Terminal conductor size	Orientation							
	2.5 mm ²	Vertical	5 x 56	4 x 76	5 x 76	4 x 96	5 x 96	6 x 96
	4 mm ²	Vertical	4 x 46	3 x 63	4 x 63	3 x 80	4 x 80	6 x 80
	6 mm ²	Vertical	4 x 36	3 x 49	4 x 49	3 x 62	4 x 62	5 x 62
	10 mm ²	Vertical	4 x 28	3 x 39	4 x 39	3 x 49	4 x 49	5 x 49
	16 mm ²	Vertical	3 x 23	3 x 32	3 x 32	3 x 40	3 x 40	4 x 40

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (200 deep)

CCH REFERENCE			XLH 303020	XLH 403020	XLH 404020	XLH 405020	XLH 504020	XLH 505020
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			305 x 305 x 203 (12" x 12" x 8")	406 x 305 x 203 (16" x 12" x 8")	406 x 406 x 203 (16" x 16" x 8")	406 x 508 x 203 (16" x 20" x 8")	508 x 406 x 203 (20" x 16" x 8")	508 x 508 x 203 (20" x 20" x 8")
FIXING CENTERS (mm)	Vertical		203	267	267	267	354	354
	Horizontal		361	361	462	564	462	564
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2	1.2	1.2
	DOOR		1.2	1.2	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		5.80	6.6	8.1	9.7	9.7	11.4
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical		205	306	306	306	408	408
	Horizontal		205	205	306	408	306	408
RAIL LENGTH (mm)	Vertical		225	326	326	326	428	428
	Horizontal		225	225	326	428	326	428
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			261 x 124	261 x 124	334 x 124	460 x 124	334 x 124	460 x 124
LEFT & RIGHT			214 x 124 (L) 261 x 124 (R)	261 x 124	261 x 124	261 x 124	334 x 124	334 x 124
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16		32	32	44	61	44	61
	M20		22	22	30	40	30	40
	M25		12	12	15	22	15	22
	M32		8	8	11	15	11	15
	M40		7	7	9	13	9	13
	M50		4	4	6	8	6	8
	M63		2	2	3	4	3	4
LEFT / RIGHT	M16		28 (L) / 34 (R)	32	32	32	44	44
	M20		15 (L) / 18 (R)	22	22	22	30	30
	M25		12 (L) / 15 (R)	12	12	12	15	15
	M32		6 (L) / 8 (R)	8	8	8	11	11
	M40		5 (L) / 6 (R)	7	7	7	9	9
	M50		2 (L) / 3 (R)	4	4	4	6	6
	M63		2 (L) / 2 (R)	2	2	2	3	3
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
	2.5 mm ²	Vertical	3 x 36	3 x 56	3 x 56	5 x 56	4 x 76	5 x 76
	4 mm ²	Vertical	2 x 30	2 x 46	2 x 46	2 x 46	3 x 63	4 x 63
	6 mm ²	Vertical	2 x 23	2 x 36	2 x 36	2 x 36	3 x 49	4 x 49
	10 mm ²	Vertical	2 x 18	2 x 28	2 x 28	2 x 28	3 x 39	4 x 39
	16 mm ²	Vertical	2 x 15	2 x 23	2 x 23	2 x 23	3 x 32	3 x 32

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (200 deep)

CCH REFERENCE			XLH 506020	XLH 604020	XLH 605020	XLH 606020	XLH 607620	XLH 765020
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			508 x 610 x 203 (20" x 24" x 8")	610 x 406 x 203 (24" x 16" x 8")	610 x 508 x 203 (24" x 20" x 8")	610 x 610 x 203 (24" x 24" x 8")	610 x 762 x 203 (24" x 30" x 8")	762 x 508 x 203 (30" x 20" x 8")
FIXING CENTERS (mm)	Vertical		354	445	445	445	445	508
	Horizontal		666	462	564	666	818	564
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2	1.2	1.2
	DOOR		1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		13.2	11.2	13.2	15.3	18.3	15.9
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical		408	510	510	510	510	662
	Horizontal		510	306	408	510	662	408
RAIL LENGTH (mm)	Vertical		428	530	530	530	530	682
	Horizontal		530	326	428	530	682	428
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			562 x 124	334 x 124	460 x 124	562 x 124	714 x 124	460 x 124
LEFT & RIGHT			334 x 124	460 x 124	460 x 124	460 x 124	460 x 124	562 x 124
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16		74	44	62	74	100	62
	M20		52	30	35	52	63	35
	M25		29	15	29	29	34	29
	M32		18	11	15	18	22	15
	M40		15	9	13	15	19	13
	M50		10	6	5	10	13	5
	M63		6	3	4	6	7	4
LEFT / RIGHT	M16		44	62	62	62	62	74
	M20		30	35	35	35	35	52
	M25		15	29	29	29	29	29
	M32		11	15	15	15	15	18
	M40		9	13	13	13	13	15
	M50		6	5	5	5	5	10
	M63		3	4	4	4	4	6
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
	Vertical		6 x 76	4 x 96	5 x 96	6 x 96	8 x 96	5 x 125
	Vertical		6 x 63	3 x 80	4 x 80	6 x 80	7 x 80	4 x 105
4 mm²	Vertical		5 x 49	3 x 62	4 x 62	5 x 62	7 x 62	4 x 81
	Vertical		5 x 39	3 x 49	4 x 49	5 x 49	6 x 49	4 x 64
10 mm²								
	Vertical		4 x 32	3 x 40	3 x 40	4 x 40	5 x 40	3 x 53
16 mm²								

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (200 deep)

CCH REFERENCE			XLH 766020	XLH 767620	XLH 806020	XLH 808020	XLH 906020	XLH 907620
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			762 x 610 x 203 (30" x 24" x 8")	762 x 762 x 203 (30" x 30" x 8")	800 x 610 x 203 (32" x 24" x 8")	800 x 800 x 203 (32" x 32" x 8")	914 x 610 x 203 (36" x 24" x 8")	914 x 762 x 203 (36" x 30" x 8")
FIXING CENTERS (mm)	Vertical		608	508	500	500	650	650
	Horizontal		666	818	666	856	666	818
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2	1.2	1.2
	DOOR		1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		18.3	21.9	19.22	24.25	20.80	24.91
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical		662	662	700	700	814	814
	Horizontal		510	662	510	700	510	662
RAIL LENGTH (mm)	Vertical		682	682	720	720	834	834
	Horizontal		530	682	530	720	530	682
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			562 x 124	714 x 124	562 x 124	712 x 124	870 x 124	870 x 124
LEFT & RIGHT			562 x 124	562 x 124	562 x 124	358 x 124	562 x 124	562 x 124
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16		74	100	74	92	112	112
	M20		52	63	52	57	69	69
	M25		29	34	29	28	34	34
	M32		18	22	18	24	30	30
	M40		15	19	15	11	13	13
	M50		10	13	10	9	11	11
	M63		6	7	6	7	9	9
LEFT / RIGHT	M16		74	74	74	44	74	74
	M20		52	52	52	27	52	52
	M25		29	29	29	14	29	29
	M32		18	18	18	12	18	18
	M40		15	15	15	5	15	15
	M50		10	10	10	4	10	10
	M63		6	6	6	3	6	6
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
	2.5 mm ²	Vertical	6 x 125	8 x 125	6 x 133	8 x 133	6 x 155	8 x 155
	4 mm ²	Vertical	6 x 105	7 x 105	6 x 111	7 x 111	6 x 130	7 x 130
	6 mm ²	Vertical	5 x 81	7 x 81	5 x 86	7 x 86	5 x 100	7 x 100
	10 mm ²	Vertical	5 x 64	6 x 64	5 x 68	6 x 68	5 x 80	6 x 80
	16 mm ²	Vertical	4 x 53	5 x 53	4 x 56	6 x 56	4 x 66	5 x 66

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (200 deep)

CCH REFERENCE			XLH 909020	XLH 1006020	XLH 1008020	XLH 10010020
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			914 x 914 x 203 (36" x 36" x 8")	1000 x 610 x 203 (40" x 24" x 8")	1000 x 800 x 203 (40" x 32" x 8")	1000 x 1000 x 203 (40" x 40" x 8")
FIXING CENTERS (mm)	Vertical		650	700	700	700
	Horizontal		970	666	856	1056
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2
	DOOR		1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		29.02	22.87	22.87	28.77
TERMINAL MOUNTING RAIL						
RAIL FIXING CENTERS (mm)	Vertical		814	900	900	900
	Horizontal		814	510	700	900
RAIL LENGTH (mm)	Vertical		834	920	920	920
	Horizontal		834	530	720	920
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)						
TOP & BOTTOM			870 x 124	970 x 124	712 x 124	712 x 124
LEFT & RIGHT			870 x 124	562 x 124	358 x 124	712 x 124
MAXIMUM ENTRY GUIDE (Metric Glands)						
TOP & BOTTOM	M16		112	124	74	92
	M20		69	78	52	57
	M25		34	38	29	28
	M32		30	34	18	24
	M40		13	15	15	11
	M50		11	13	10	9
	M63		9	10	6	7
LEFT / RIGHT	M16		112	74	74	92
	M20		69	52	52	57
	M25		34	29	29	28
	M32		30	18	18	24
	M40		13	15	15	11
	M50		11	10	10	9
	M63		9	6	6	7
TERMINAL CONTENT						
Terminal Conductor Size	Orientation					
	2.5 mm²	Vertical	9 x 155	6 x 172	8 x 172	10 x 172
	4 mm²	Vertical	9 x 130	5 x 144	7 x 144	9 x 144
	6 mm²	Vertical	8 x 100	5 x 111	7 x 111	9 x 111
	10 mm²	Vertical	7 x 80	5 x 88	6 x 88	8 x 88
	16 mm²	Vertical	6 x 66	4 x 73	6 x 73	7 x 73

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (254 deep)

CCH REFERENCE			XLH 303025	XLH 403025	XLH 404025	XLH 405025	XLH 504025	XLH 505025
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			305 x 305 x 254 (12" x 12" x 10")	406 x 305 x 254 (16" x 12" x10")	406 x 406 x 254 (16" x 16" x 10")	406 x 508 x 254 (16" x 20" x 10")	508 x 406 x 254 (20" x 16" x 10")	508 x 508 x 254 (20" x 20" x 10")
FIXING CENTERS (mm)	Vertical	203	267	267	267	267	354	354
	Horizontal	361	361	462	564	462	564	564
MATERIAL THICKNESS (mm)	BODY	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	DOOR	1.2	1.2	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg	5.80	6.6	8.1	9.7	9.7	11.4	
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical	205	306	306	306	306	408	408
	Horizontal	205	205	306	408	306	408	408
RAIL LENGTH (mm)	Vertical	225	326	326	326	326	428	428
	Horizontal	225	225	326	428	326	428	428
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM		261 x 180	261 x 180	334 x 180	460 x 180	334 x 180	460 x 180	
LEFT & RIGHT		214 x 180 (L) 261 x 180 (R)	261 x 180	261 x 180	261 x 180	334 x 180	334 x 180	
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16	52	52	70	108	70	98	
	M20	30	30	38	57	38	52	
	M25	19	19	25	42	25	38	
	M32	11	11	16	24	16	22	
	M40	8	8	12	19	12	17	
	M50	5	5	7	10	7	9	
	M63	4	4	5	8	5	7	
LEFT / RIGHT	M16	49(L) / 52 (R)	52	52	52	70	70	
	M20	25 (L) / 30 (R)	30	30	30	38	38	
	M25	17(L) / 19 (R)	19	19	19	25	25	
	M32	10(L) / 11 (R)	11	11	11	16	16	
	M40	7(L) / 8 (R)	8	8	8	12	12	
	M50	4 (L) / 5 (R)	5	5	5	7	7	
	M63	3(L) / 4 (R)	4	4	4	4	5	5
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
2.5 mm²	Vertical	3 x 36	3 x 56	3 x 56	5 x 56	4 x 76	5 x 76	
4 mm²	Vertical	2 x 30	2 x 46	2 x 46	2 x 46	3 x 63	4 x 63	
6 mm²	Vertical	2 x 23	2 x 36	2 x 36	2 x 36	3 x 49	4 x 49	
10 mm²	Vertical	2 x 18	2 x 28	2 x 28	2 x 28	3 x 39	4 x 39	
16 mm²	Vertical	2 x 15	2 x 23	2 x 23	2 x 23	3 x 32	3 x 32	

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (254 deep)

CCH REFERENCE			XLH 506025	XLH 604025	XLH 605025	XLH 606025	XLH 607625	XLH 765025
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			508 x 610 x 254 (20" x 24" x 10")	610 x 406 x 254 (24" x 16" x108")	610 x 508 x 254 (24" x 20" x 10")	610 x 610 x 254 (24" x 24" x 10")	610 x 762 x 254 (24" x 30" x 10")	762 x 508 x 254 (30" x 20" x 10")
FIXING CENTERS (mm)	Vertical	354	445	445	445	445	445	508
	Horizontal	666	462	564	666	818	564	
MATERIAL THICKNESS (mm)	BODY	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	DOOR	1.5	1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg	13.2	11.2	13.2	15.3	18.3	15.9	
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical	408	510	510	510	510	662	
	Horizontal	510	306	408	510	662	408	
RAIL LENGTH (mm)	Vertical	428	530	530	530	530	682	
	Horizontal	530	326	428	530	682	428	
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			562 x 180	334 x 180	460 x 180	562 x 180	714 x 180	460 x 180
LEFT & RIGHT			334 x 180	460 x 180	460 x 180	460 x 180	460 x 180	562 x 180
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16	136	70	98	98	98	98	98
	M20	72	38	52	52	52	52	52
	M25	48	25	38	38	38	38	38
	M32	30	16	22	22	22	22	22
	M40	24	12	17	17	17	17	17
	M50	14	7	9	9	9	9	9
	M63	10	5	7	7	7	7	7
LEFT / RIGHT	M16	70	98	98	98	98	122	
	M20	38	52	52	52	52	65	
	M25	25	38	38	38	38	44	
	M32	16	22	22	22	22	27	
	M40	12	17	17	17	17	22	
	M50	7	9	9	9	9	12	
	M63	5	7	7	7	7	9	
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
	2.5 mm²	Vertical	6 x 76	4 x 96	5 x 96	6 x 96	8 x 96	5 x 125
	4 mm²	Vertical	6 x 63	3 x 80	4 x 80	6 x 80	7 x 80	4 x 105
	6 mm²	Vertical	5 x 49	3 x 62	4 x 62	5 x 62	7 x 62	4 x 81
	10 mm²	Vertical	5 x 39	3 x 49	4 x 49	5 x 49	6 x 49	4 x 64
	16 mm²	Vertical	4 x 32	3 x 40	3 x 40	4 x 40	5 x 40	3 x 53

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (254 deep)

CCH REFERENCE			XLH 766025	XLH 767625	XLH 806025	XLH 808025	XLH 906025	XLH 907625
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			762 x 610 x 254 (30" x 24" x 10")	762 x 762 x 254 (30" x 30" x 10")	914 x 762 x 254 (36" x 30" x 10")	800 x 800 x 254 (32" x 32" x 10")	914 x 610 x 254 (36" x 24" x 10")	914 x 762 x 254 (36" x 30" x 10")
FIXING CENTERS (mm)	Vertical		608	508	500	500	650	650
	Horizontal		666	818	666	856	666	818
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2	1.2	1.2
	DOOR		1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		18.3	21.9	21.06	26.44	23.20	27.65
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical		662	662	700	700	814	814
	Horizontal		510	662	510	700	510	662
RAIL LENGTH (mm)	Vertical		682	682	720	720	834	834
	Horizontal		530	682	530	720	530	682
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			562 x 180	714 x 180	562 x 180	712 x 180	870 x 180	870 x 180
LEFT & RIGHT			562 x 180	562 x 180	562 x 180	358 x 180	562 x 180	562 x 180
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16		122	136	122	136	140	140
	M20		65	72	65	72	92	92
	M25		44	48	44	48	51	51
	M32		27	30	27	30	45	45
	M40		22	24	22	24	26	26
	M50		12	14	12	14	22	22
	M63		9	10	9	10	9	9
LEFT / RIGHT	M16		122	122	122	55	122	122
	M20		65	65	65	36	65	65
	M25		44	44	44	21	44	44
	M32		27	27	27	18	27	27
	M40		22	22	22	10	22	22
	M50		12	12	12	8	12	12
	M63		9	9	9	3	9	9
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
	2.5 mm²	Vertical	6 x 125	8 x 125	6 x 133	8 x 133	6 x 155	8 x 155
	4 mm²	Vertical	6 x 105	7 x 105	6 x 111	7 x 111	6 x 130	7 x 130
	6 mm²	Vertical	5 x 81	7 x 81	5 x 86	7 x 86	5 x 100	7 x 100
	10 mm²	Vertical	5 x 64	6 x 64	5 x 68	6 x 68	5 x 80	6 x 80
	16 mm²	Vertical	4 x 53	5 x 53	4 x 56	6 x 56	4 x 66	5 x 66

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (254 deep)

CCH REFERENCE			XLH 909025	XLH 1006025	XLH 1008025	XLH 10010025	XLH 1206025	XLH 1208025	XLH 1209025
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			914 x 914 x 254 (36" x 36" x 10")	1000 x 610 x 254 (40" x 24" x 10")	1000 x 800 x 254 (40" x 32" x 10")	1000 x 1000 x 254 (40" x 40" x 10")	1200 x 610 x 254 (48" x 24" x 10")	1200 x 800 x 254 (48" x 32" x 10")	1200 x 914 x 254 (48" x 36" x 10")
FIXING CENTERS (mm)	Vertical	650	700	700	700	700	900	900	900
	Horizontal	970	666	856	1056	666	856	970	
MATERIAL THICKNESS (mm)	BODY	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	DOOR	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg	32.11	24.88	31.14	37.41	29.04	36.34	39.98	
TERMINAL MOUNTING RAIL RAIL FIXING CENTERS (mm)	Vertical	814	900	900	900	1100	1100	1100	1100
	Horizontal	662	510	900	900	510	700	814	
RAIL LENGTH (mm)	Vertical	834	920	920	920	1120	1120	1120	1120
	Horizontal	682	530	920	920	530	720	834	
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)	TOP & BOTTOM	870 x 180	970 x 180	712 x 180	958 x 180	566 x 180	712 x 180	826 x 180	
	LEFT & RIGHT	870 x 180	562 x 180	358 x 180	958 x 180	912 x 180	912 x 180	912 x 180	
MAXIMUM ENTRY GUIDE (Metric Glands)									
TOP & BOTTOM	M16	140	155	136	155	122	136	135	
	M20	92	104	72	100	65	72	88	
	M25	51	57	48	57	44	48	48	
	M32	45	51	30	48	27	30	42	
	M40	26	30	24	28	22	24	24	
	M50	22	26	14	24	12	14	22	
	M63	9	10	10	10	9	10	8	
LEFT / RIGHT	M16	140	122	55	155	150	150	150	
	M20	92	65	36	100	96	96	96	
	M25	51	44	21	57	54	54	54	
	M32	45	27	18	48	48	48	48	
	M40	26	22	10	28	28	28	28	
	M50	22	12	8	24	24	24	24	
	M63	9	9	3	10	9	9	9	
TERMINAL CONTENT									
Terminal Conductor Size	Orientation								
	2.5 mm²	Vertical	9 x 155	6 x 172	10 x 172	10 x 172	10 x 211	8 x 211	9 x 211
	4 mm²	Vertical	9 x 130	5 x 144	9 x 144	9 x 144	9 x 177	7 x 177	9 x 177
	6 mm²	Vertical	8 x 100	5 x 111	9 x 111	9 x 111	9 x 136	7 x 136	8 x 136
10 mm²									
	Vertical	7 x 80	5 x 88	8 x 88	8 x 88	8 x 109	6 x 109	7 x 109	
16 mm²	Vertical	6 x 66	4 x 73	7 x 73	7 x 73	7 x 90	6 x 90	6 x 90	

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (300 deep)

CCH REFERENCE			XLH 404030	XLH 405030	XLH 504030	XLH 505030	XLH 506030	XLH 604030
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			406 x 406 x 300 (16" x 16" x 12")	406 x 508 x 300 (16" x 20" x 12")	508 x 406 x 300 (20" x 16" x 12")	508 x 508 x 300 (20" x 20" x 12")	508 x 610 x 300 (20" x 24" x 12")	610 x 406 x 300 (24" x 16" x 12")
FIXING CENTERS (mm)	Vertical	267	267	354	354	354	445	
	Horizontal	462	564	462	564	666	462	
MATERIAL THICKNESS (mm)	BODY	1.2	1.2	1.2	1.2	1.2	1.2	
	DOOR	1.5	1.5	1.5	1.5	1.5	1.5	
WEIGHT (empty)	kg	8.1	9.7	9.7	11.4	13.2	11.2	
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical	306	306	408	408	408	510	
	Horizontal	306	408	306	408	510	306	
RAIL LENGTH (mm)	Vertical	326	326	428	428	428	530	
	Horizontal	326	428	326	428	530	326	
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM		334 x 231	460 x 231	334 x 231	460 x 231	562 x 231	334 x 231	
LEFT & RIGHT		261 x 231	261 x 231	334 x 231	334 x 231	334 x 231	460 x 231	
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16	44	61	44	61	74	44	
	M20	30	40	30	40	52	30	
	M25	15	22	15	22	29	15	
	M32	11	15	11	22	18	11	
	M40	9	13	9	15	15	9	
	M50	6	8	6	13	10	6	
	M63	3	4	3	8	6	3	
LEFT / RIGHT	M16	34	34	44	44	44	62	
	M20	18	18	26	26	26	35	
	M25	15	15	21	21	21	29	
	M32	8	8	11	11	11	15	
	M40	6	6	9	9	9	13	
	M50	3	3	4	4	4	5	
	M63	2	2	3	3	3	4	
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
2.5 mm²	Vertical	3 x 56	5 x 56	4 x 76	5 x 76	6 x 76	4 x 96	
4 mm²	Vertical	2 x 46	2 x 46	3 x 63	4 x 63	6 x 63	3 x 80	
6 mm²	Vertical	2 x 36	2 x 36	3 x 49	4 x 49	5 x 49	3 x 62	
10 mm²	Vertical	2 x 28	2 x 28	3 x 39	4 x 39	5 x 39	3 x 49	
16 mm²	Vertical	2 x 23	2 x 23	3 x 32	3 x 32	4 x 32	3 x 40	

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (300 deep)

CCH REFERENCE			XLH 605030	XLH 606030	XLH 607630	XLH 765030	XLH 766030	XLH 767630
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			610 x 508 x 300 (24" x 20" x 12")	610 x 610 x 300 (24" x 24" x 12")	610 x 762 x 300 (24" x 30" x 12")	762 x 508 x 300 (30" x 20" x 12")	762 x 610 x 300 (30" x 24" x 12")	762 x 762 x 300 (30" x 30" x 12")
FIXING CENTERS (mm)	Vertical	445	445	445	445	508	608	508
	Horizontal	564	666	818	564	666	818	
MATERIAL THICKNESS (mm)	BODY	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	DOOR	1.5	1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg	13.2	15.3	18.3	15.9	18.3	21.9	
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical	510	510	510	662	662	662	662
	Horizontal	408	510	662	408	510	662	
RAIL LENGTH (mm)	Vertical	530	530	530	682	682	682	682
	Horizontal	428	530	682	428	530	682	
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			460 x 231	562 x 231	714 x 231	460 x 231	562 x 231	714 x 231
LEFT & RIGHT			460 x 231	460 x 231	460 x 231	562 x 231	562 x 231	562 x 231
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16	41	74	100	61	74	100	
	M20	40	52	63	40	52	63	
	M25	22	29	34	22	29	34	
	M32	15	18	22	15	18	22	
	M40	13	15	19	13	15	19	
	M50	8	10	13	8	10	13	
	M63	4	6	7	4	6	7	
LEFT / RIGHT	M16	62	62	62	78	78	78	
	M20	35	35	35	44	44	44	
	M25	29	29	29	36	36	36	
	M32	15	15	15	19	19	19	
	M40	13	13	13	16	16	16	
	M50	5	5	5	7	7	7	
	M63	4	4	4	5	5	5	
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
	2.5 mm ²	Vertical	5 x 96	6 x 96	8 x 96	5 x 125	6 x 125	8 x 125
	4 mm ²	Vertical	4 x 80	6 x 80	7 x 80	4 x 105	6 x 105	7 x 105
	6 mm ²	Vertical	4 x 62	5 x 62	7 x 62	4 x 81	5 x 81	7 x 81
10 mm ²								
	Vertical	4 x 49	5 x 49	6 x 49	4 x 64	5 x 64	6 x 64	
16 mm ²								
	Vertical	3 x 40	4 x 40	5 x 40	3 x 53	4 x 53	5 x 53	

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (300 deep)

CCH REFERENCE			XLH 806030	XLH 808030	XLH 906030	XLH 907630	XLH 909030	XLH 1006030
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			800 x 610 x 300 (32" x 24" x 12")	800 x 800 x 300 (32" x 32" x 12")	914 x 610 x 300 (36" x 24" x 12")	914 x 762 x 300 (36" x 30" x 12")	914 x 914 x 300 (36" x 36" x 12")	1000 x 610 x 300 (40" x 24" x 12")
FIXING CENTERS (mm)	Vertical		500	500	650	650	650	700
	Horizontal		666	666	666	818	970	666
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2	1.2	1.2
	DOOR		1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		21.90	28.63	25.18	29.90	34.61	26.92
TERMINAL MOUNTING RAIL								
RAIL FIXING CENTERS (mm)	Vertical		700	700	814	814	814	900
	Horizontal		510	700	510	662	662	510
RAIL LENGTH (mm)	Vertical		720	720	834	834	834	920
	Horizontal		530	720	530	682	682	530
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
		TOP & BOTTOM	562 x 231	714 x 231	870 x 231	870 x 231	870 x 231	970 x 231
		LEFT & RIGHT	562 x 231	358 x 231	562 x 231	562 x 180	870 x 231	562 x 231
MAXIMUM ENTRY GUIDE (Metric Glands)								
TOP & BOTTOM	M16		74	161	196	196	196	217
	M20		52	114	138	138	138	156
	M25		29	56	68	68	68	76
	M32		18	48	60	60	60	68
	M40		15	33	39	39	39	45
	M50		10	27	33	33	33	39
	M63		6	14	18	18	18	20
LEFT / RIGHT	M16		78	77	78	78	196	78
	M20		44	54	44	44	138	44
	M25		36	28	36	36	68	36
	M32		19	24	19	19	60	19
	M40		16	15	16	16	39	16
	M50		7	12	7	7	33	7
	M63		5	6	5	5	18	5
TERMINAL CONTENT								
Terminal Conductor Size	Orientation							
	2.5 mm²	Vertical	6 x 133 0	8 x 133 0	6 x 155 0	8 x 155 0	9 x 155 0	6 x 172 0
4 mm²	Vertical	6 x 111 0	7 x 111 0	6 x 130 0	7 x 130 0	9 x 130 0	5 x 144 0	
	6 mm²	Vertical	5 x 86 0	7 x 86 0	5 x 100 0	7 x 100 0	8 x 100 0	5 x 111 0
10 mm²	Vertical	5 x 68 0	6 x 68 0	5 x 80 0	6 x 80 0	7 x 80 0	5 x 88 0	
	16 mm²	Vertical	4 x 56	6 x 56	4 x 66	5 x 66	6 x 66	4 x 73

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TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (300 deep)

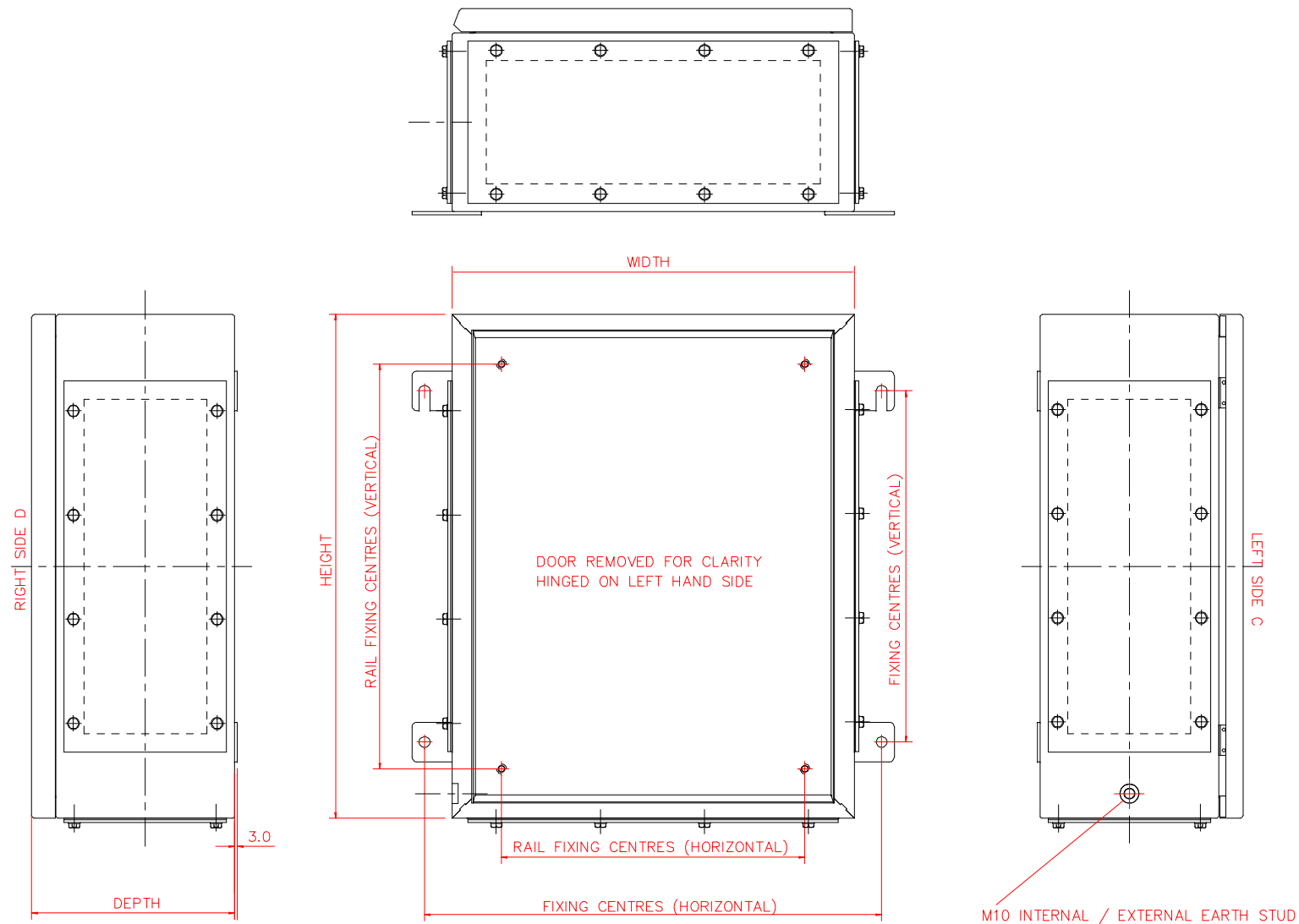
CCH REFERENCE			XLH 1008030	XLH 10010030	XLH 1206030	XLH 1208030	XLH 1209030	XLH 12010030	XLH 12012030
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Imperial Conversion)			1000 x 800 x 300 (40" x 32" x 12")	1000 x 1000 x 300 (40" x 40" x 12")	1200 x 610 x 300 (48" x 24" x 12")	1200 x 800 x 300 (48" x 32" x 12")	1200 x 914 x 300 (48" x 36" x 12")	1200 x 1000 x 300 (48" x 40" x 12")	1200 x 1200 x 300 (48" x 48" x 12")
FIXING CENTERS (mm)	Vertical		700	700	900	900	900	900	900
	Horizontal		856	1056	666	856	970	1056	1256
MATERIAL THICKNESS (mm)	BODY		1.2	1.2	1.2	1.2	1.2	1.2	1.2
	DOOR		1.5	1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)		kg	33.53	40.14	30.94	38.43	42.79	45.93	53.42
TERMINAL MOUNTING RAIL									
RAIL FIXING CENTERS (mm)	Vertical		900	900	1100	1100	1100	1100	1100
	Horizontal		700	900	510	700	814	900	1100
RAIL LENGTH (mm)	Vertical		920	920	1120	1120	1120	1120	1120
	Horizontal		720	920	530	720	834	920	1120
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)									
TOP & BOTTOM			712 x 231	958 x 231	566 x 231	712 x 231	826 x 231	958 x 231	556 x 231 (2off)
LEFT & RIGHT			358 x 231	958 x 231	912 x 231	912 x 231	912 x 231	958 x 231	456 x 231 (2off)
MAXIMUM ENTRY GUIDE (Metric Glands)									
TOP & BOTTOM	M16		161	156	74	161	189	217	259
	M20		114	76	52	114	132	156	186
	M25		56	76	29	56	64	76	92
	M32		48	68	18	48	56	68	80
	M40		33	45	15	33	36	45	51
	M50		27	39	10	27	33	39	45
	M63		14	20	6	14	16	20	24
LEFT / RIGHT	M16		77	156	210	210	210	217	259
	M20		54	76	144	144	144	156	186
	M25		28	76	72	72	72	76	92
	M32		24	68	64	64	64	68	80
	M40		15	45	42	42	42	45	51
	M50		12	39	36	36	36	39	45
	M63		6	20	18	18	18	20	24
TERMINAL CONTENT									
Terminal Conductor Size	Orientation								
	2.5 mm²	Vertical	10 x 172 0	10 x 172 0	10 x 211 0	8 x 211 0	9 x 211 0	10 x 211	13 x 211
4 mm²	Vertical		9 x 144 0	9 x 144 0	9 x 177 0	7 x 177 0	9 x 177 0	9 x 177	12 x 177
6 mm²	Vertical		9 x 111 0	9 x 111 0	9 x 136 0	7 x 136 0	8 x 136 0	9 x 136	11 x 136
10 mm²	Vertical		8 x 88 0	8 x 88 0	8 x 109 0	6 x 109 0	7 x 109 0	8 x 109	10 x 109
16 mm²	Vertical		7 x 73	7 x 73	7 x 90	6 x 90	6 x 90	7 x 90	9 x 90

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Ex - Cell STEEL ENCLOSURES

COOPER Crouse-Hinds



Cooper Crouse-Hinds (UK) Ltd
Dorset Road Sheerness
Kent ME12 1LP
www.enclosures-crouse-hinds.uk.com

REV 0907

Ex-Cell "FLEX" CONTROL STATION SOLUTIONS

COOPER Crouse-Hinds

The Ex-Cell "Flex" Control Solutions provide a highly flexible platform allowing the assembly of fully customised ATEX certified Ex de solutions for Category 2 applications.

A comprehensive range of panel mounted indicators and operator devices are available of assembly in the Ex-Cell enclosures product line.



Panel Mounted Components Control and Indication



These devices include:

- Visual signal indicators available in a wide range of voltage ratings and with interchangeable coloured lenses.
- Pushbuttons including both single and double with many contact combinations for a multitude of switching configurations.
- Multi position low power control switches with key operated options
- Multi position high power mains switches.
- Manual motor starter.
- Key operated options for the above.
- Potentiometers and analogue measurement devices are available to complete the range of products that can be assembled.
- In addition to the panel mounted indicator and control components there is a wide range of din-rail mounted protection devices available such as mains circuit breakers (MCB), with an RCD option, fuses, thermal over current relays, current impulse switches and over voltage arrestors.



Enclosure / terminal assemblies configured to meet clients specification.

NXT STEEL ENCLOSURES

COOPER Crouse-Hinds

HIGH INTEGRITY ENCLOSURE / TERMINATION SOLUTIONS

The **NXT** range is an **ATEX** certified steel and stainless steel junction box solution fully compliant with the impact, UV, thermal and ingress protection requirements for hazardous locations.

Available in a wide range of sizes to meet a diverse range of applications. Ideal for electrical and instrumentation applications.

Using the highest quality materials, design benefits and precision manufacturing the **NXT** range is the benchmark for quality and performance in steel enclosures.

The standard depth's of 160 and 205 can also be extended to 300mm deep – available upon request.

The Stainless Steel versions are suitable for salt laden atmospheres and harsh environmental conditions.



- One piece gasket
- Retained lid fixing screws



- Integral drainage channel



- internal / external earth stud



- Heavy-duty welded mounting lugs

- **Material:**
- **Material Thickness:**
- **Finish:**
- **Gasket Material:**

Stainless Steel grades: standard is 316L (1.4401) & 304 on request (1.4301) or Sheet Steel. Body – 1.5mm, Door - 1.5mm (up to 500 x 350), 2.0mm for larger sizes (620 x 450 to 980 x 740). Stainless Steel: Electro-chemical polish. Sheet Steel: Powder polyester Grey RAL 7032. Neoprene closed cell sponge.

Option: Silicon closed cell sponge available for lid and gland plate sealing.

Lift off hinged door with 180° opening, all stainless steel and captive hex fastening screws.

4 x external 3mm thick welded lugs, 11mm Ø holes / slots.

4 x stand off pillars Ø 9mm, 25mm high, tapped M6 x10.

M10 external / internal brass earth stud assembly. M6 internal stud on door & painted gland plates.

IP66

Standard: -45°C to +80°C (Neoprene gasket material) **Option:** -65°C to +135°C (Silicon)

7 J (Nm)

Component certified: II 2 GD EEx e II - ATEX (KEMA99ATEX3174U) & IECEx (Pending)

Industrial Control Panel cULus to UL50 / c22.2 no. 94-m91, types 3S, 4, 4X. GOST-R & Germanischer Lloyd

NOTE: empty enclosure is component certified – for custom assembly service and apparatus certification please contact your local sales representative



Typical NXT assembled and certified for Hazardous Areas (ATEX and IECEx)



Gland entries and assembly services available – contact us for options and customisation services

TECHNICAL DATA SHEET

NXT Range Enclosure

METRIC (160 deep)

CCH REFERENCE			NXT 221513	NXT 262616	NXT 303016	NXT 382616	NXT 453816
DIMENSIONS - HEIGHT x WIDTH x DEPTH (mm) (Nominal Imperial Size Conversion)			229 x 152 x 130 (9" x 6" x 5.1")	260 x 260 x 160 (10.2" x 10.2" x 6.3")	306 x 306 x 160 (12" x 12" x 6.3")	380 x 260 x 160 (15" x 10.2" x 6.3")	458 x 382 x 160 (18" x 15" x 6.3")
EXTERNAL FIXING CENTRES (mm)	Vertical		152	170	208	250	305
	FOR 3 & 4 GLAND PLATE VERSION	Horizontal	208	316	361	316	437
	FOR 0, 1 & 2 GLAND PLATE VERSION	Horizontal	178	316	331	316	407
MATERIAL THICKNESS (mm)	BODY		1.5	1.5	1.5	1.5	1.5
	DOOR		1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		4.00	6.00	7.00	8.00	10.00
INTERNAL MOUNTING							
RAIL FIXING CENTRES (mm)	Vertical		129	160	206	280	358
	Horizontal		52	160	206	180	282
RAIL LENGTH (mm)	Vertical		149	180	226	300	378
	Horizontal		72	180	226	200	302
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)							
TOP & BOTTOM			58 x 108	214 x 80	261 x 80	214 x 80	337 x 80
LEFT			58 x 108	114 x 80	214 x 80	214 x 80	337 x 80
RIGHT			58 x 108	114 x 80	261 x 80	214 x 80	337 x 80
MAXIMUM ENTRY GUIDE (Metric Glands) (based on BRASS GLANDS)			TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM
TOP / BOTTOM	M16		6 / 6	14 / 14	18 / 18	14 / 14	27 / 27
	M20		2 / 2	10 / 10	14 / 14	10 / 10	18 / 18
	M25		2 / 2	4 / 4	5 / 5	4 / 4	7 / 7
	M32		1 / 1	3 / 3	4 / 4	3 / 3	6 / 6
	M40		0 / 0	3 / 3	3 / 3	3 / 3	5 / 5
	M50		0 / 0	2 / 2	3 / 3	2 / 2	4 / 4
	M63		0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
LEFT / RIGHT	M16		6 / 6	8 / 8	14 / 18	14 / 14	27 / 27
	M20		2 / 2	6 / 6	10 / 14	10 / 10	18 / 18
	M25		2 / 2	2 / 2	4 / 5	4 / 4	7 / 7
	M32		1 / 1	2 / 2	3 / 4	3 / 3	6 / 6
	M40		0 / 0	1 / 1	3 / 3	3 / 3	5 / 5
	M50		0 / 0	1 / 1	2 / 3	2 / 2	4 / 4
	M63		0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
TERMINAL CONTENT							
Terminal conductor size	Orientation						
	2.5 mm²	Vertical	1 x 21	2 x 27	2 x 36	2 x 50	3 x 66
	4 mm²	Vertical	1 x 17	2 x 22	2 x 30	2 x 42	3 x 55
	6 mm²	Vertical	1 x 13	1 x 17	2 x 23	1 x 32	3 x 42
	10 mm²	Vertical	1 x 11	1 x 14	2 x 18	1 x 26	3 x 34
	16 mm²	Vertical	1 x 9	1 x 11	2 x 15	1 x 21	2 x 28

NOTES : -

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CCH REFERENCE			NXT 262620	NXT 303020	NXT 382620	NXT 453820	NXT 484820	NXT 503520
DIMENSIONS - HEIGHT x WIDTH x DEPTH (mm) (Nominal Imperial Size Conversion)			260 x 260 x 205 (10.2" x 10.2" x 8.1")	306 x 306 x 205 (12" x 12" x 8.1")	380 x 260 x 205 (15" x 10.2" x 8.1")	458 x 382 x 205 (18" x 15" x 8.1")	480 x 480 x 205 (18.9" x 18.9" x 8.1")	500 x 350 x 205 (19.7" x 13.8" x 8.1")
EXTERNAL FIXING CENTRES (mm)	Vertical		170	208	250	305	327	350
	Horizontal	FOR 3 & 4 GLAND PLATE VERSION	316	361	316	437	535	406
	Horizontal	FOR 0, 1 & 2 GLAND PLATE VERSION	316	331	316	407	505	406
MATERIAL THICKNESS (mm)	BODY		1.5	1.5	1.5	1.5	1.5	1.5
	DOOR		1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		6.60	7.70	8.80	11.0	11.00	10.50
INTERNAL MOUNTING								
RAIL FIXING CENTRES (mm)	Vertical		160	206	280	358	380	400
	Horizontal		160	206	180	282	380	260
RAIL LENGTH (mm)	Vertical		180	226	300	378	400	420
	Horizontal		180	226	200	302	400	280
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			214 x 124	261 x 124	214 x 124	337 x 124	404 x 124	304 x 124
LEFT			114 x 124	214 x 124	214 x 124	337 x 124	337 x 124	304 x 124
RIGHT			114 x 124	261 x 124	214 x 124	337 x 124	404 x 124	304 x 124
MAXIMUM ENTRY GUIDE (Metric Glands) (based on BRASS GLANDS)			TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM
TOP / BOTTOM	M16		28 / 28	36 / 36	28 / 28	48 / 48	56 / 56	40 / 40
	M20		15 / 15	21 / 21	15 / 15	27 / 27	30 / 30	24 / 24
	M25		8 / 8	10 / 10	8 / 8	14 / 14	18 / 18	12 / 12
	M32		6 / 6	8 / 8	6 / 6	12 / 12	14 / 14	10 / 10
	M40		3 / 3	3 / 3	3 / 3	5 / 5	11 / 11	4 / 4
	M50		2 / 2	3 / 3	2 / 2	4 / 4	5 / 5	3 / 3
	M63		2 / 2	2 / 2	2 / 2	3 / 3	4 / 4	3 / 3
LEFT / RIGHT			LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT
	M16		16 / 16	28 / 36	28 / 28	48 / 48	48 / 56	40 / 40
	M20		9 / 9	15 / 21	15 / 15	27 / 27	27 / 30	24 / 24
	M25		4 / 4	8 / 10	8 / 8	14 / 14	14 / 18	12 / 12
	M32		4 / 4	6 / 8	6 / 6	12 / 12	12 / 14	10 / 10
	M40		1 / 1	3 / 3	3 / 3	5 / 5	5 / 11	4 / 4
	M50		1 / 1	2 / 3	2 / 2	4 / 4	4 / 5	3 / 3
	M63		1 / 1	2 / 2	2 / 2	3 / 3	3 / 4	3 / 3
TERMINAL CONTENT								
Terminal conductor size	Orientation							
	2.5 mm²	Vertical	2 x 27	3 x 36	2 x 50	3 x 66	4 x 70	3 x 74
	4 mm²	Vertical	2 x 22	2 x 30	2 x 42	3 x 55	4 x 59	2 x 62
	6 mm²	Vertical	2 x 17	2 x 23	1 x 32	3 x 42	4 x 45	2 x 48
	10 mm²	Vertical	2 x 14	2 x 18	1 x 26	2 x 34	3 x 36	2 x 38
	16 mm²	Vertical	2 x 11	2 x 15	1 x 21	2 x 28	3 x 30	2 x 31

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CCH REFERENCE			NXT 624520	NXT 745520	NXT 765020	NXT 866420	NTX916120	NXT 987420
DIMENSIONS - HEIGHT x WIDTH x DEPTH (mm) (Nominal Imperial Size Conversion)			620 x 450 x 205 (24.4" x 17.7" x 8.1")	740 x 550 x 205 (29.1" x 21.7" x 8.1")	762 x 508 x 205 (30" x 20" x 8.1")	860 x 640 x 205 (33.9" x 25.2" x 8.1")	914 x 610 x 205 (36" x 24" x 8.1")	980 x 740 x 205 (38.6" x 29.1" x 8.1")
EXTERNAL FIXING CENTRES (mm)	Vertical		450	540	508	570	559	700
	Horizontal	FOR 3 & 4 GLAND PLATE VERSION	506	606	564	696	666	796
	Horizontal	FOR 0, 1 & 2 GLAND PLATE VERSION	506	606	534	696	636	796
MATERIAL THICKNESS (mm)	BODY		2.0	2.0	2.0	2.0	2.0	2.0
	DOOR		2.0	2.0	2.0	2.0	2.0	2.0
WEIGHT (empty)	kg		18.00	24.00	24.00	31.00	31.00	39.00
INTERNAL MOUNTING								
RAIL FIXING CENTRES (mm)	Vertical		520	640	662	760	814	880
	Horizontal		350	450	408	540	510	640
RAIL LENGTH (mm)	Vertical		540	660	682	780	834	900
	Horizontal		370	470	428	560	530	660
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)								
TOP & BOTTOM			404 x 124	504 x 124	404 x 124	594 x 124	566 x 108	2 x (304 x 124)
LEFT			404 x 124	504 x 124	594 x 124	2 x (304 x 124)	566 x 108	2 x (404 x 124)
RIGHT			404 x 124	504 x 124	594 x 124	2 x (304 x 124)	566 x 108	2 x (404 x 124)
MAXIMUM ENTRY GUIDE (Metric Glands) (based on BRASS GLANDS)			TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM
TOP / BOTTOM	M16		56 / 56	72 / 72	56 / 56	84 / 84	60 / 60	80 / 80
	M20		30 / 30	39 / 39	30 / 30	48 / 48	30 / 30	48 / 48
	M25		18 / 18	22 / 22	18 / 18	26 / 26	24 / 24	24 / 24
	M32		14 / 14	18 / 18	14 / 14	20 / 20	10 / 10	20 / 20
	M40		11 / 11	14 / 14	11 / 11	9 / 9	8 / 8	8 / 8
	M50		5 / 5	6 / 6	5 / 5	7 / 7	7 / 7	6 / 6
	M63		4 / 4	5 / 5	4 / 4	6 / 6	5 / 5	6 / 6
LEFT / RIGHT			LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT
	M16		56 / 56	72 / 72	84 / 84	80 / 80	60 / 60	112 / 112
	M20		30 / 30	39 / 39	48 / 48	48 / 48	30 / 30	60 / 60
	M25		18 / 18	22 / 22	26 / 26	24 / 24	24 / 24	36 / 36
	M32		14 / 14	18 / 18	20 / 20	20 / 20	10 / 10	28 / 28
	M40		11 / 11	14 / 14	9 / 9	8 / 8	8 / 8	22 / 22
	M50		5 / 5	6 / 6	7 / 7	6 / 6	7 / 7	10 / 10
	M63		4 / 4	5 / 5	6 / 6	6 / 6	5 / 5	8 / 8
TERMINAL CONTENT								
Terminal conductor size	Orientation							
	2.5 mm²	Vertical	4 x 98	5 x 121	4 x 125	6 x 145	6 x 155	7 x 168
	4 mm²	Vertical	3 x 81	4 x 101	4 x 105	5 x 121	5 x 130	6 x 140
	6 mm²	Vertical	3 x 63	4 x 78	4 x 81	5 x 93	5 x 100	6 x 108
	10 mm²	Vertical	3 x 50	4 x 62	3 x 64	5 x 74	4 x 80	5 x 86
	16 mm²	Vertical	3 x 41	3 x 51	3 x 53	4 x 61	4 x 66	5 x 71

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TECHNICAL DATA SHEET

NXT Range Enclosure LANDSCAPE

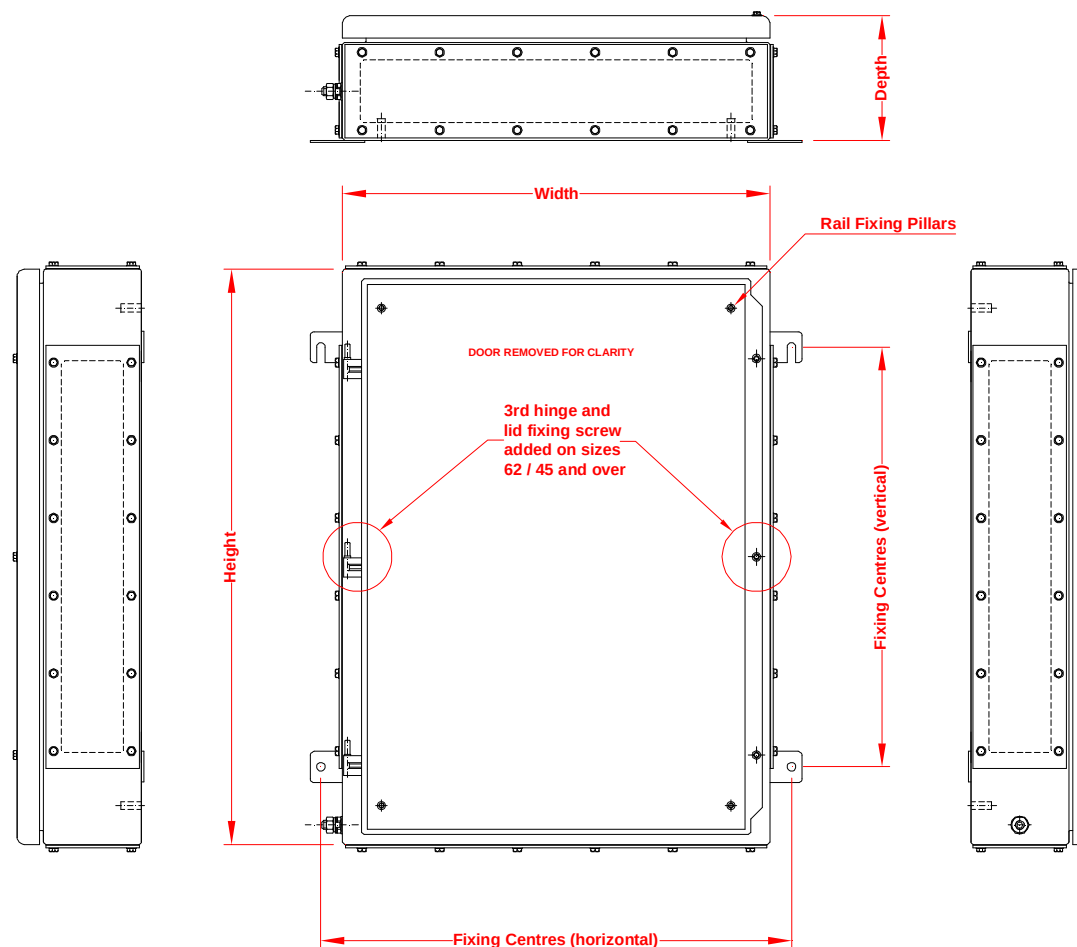
METRIC (205 deep)

CCH REFERENCE			NXT 303520	NXT 384520	NXT 455520	NXT 506420
DIMENSIONS - HEIGHT x WIDTH x DEPTH (mm) (Nominal Imperial Size Conversion)			306 x 350 x 205 (12" x 13.8" x 8.1")	380 x 450 x 205 (15" x 17.7" x 8.1")	458 x 550 x 205 (18" x 21.7" x 8.1")	500 x 640 x 205 (19.7" x 25.2" x 8.1")
EXTERNAL FIXING CENTRES (mm)	Vertical		203	250	305	330
	FOR 3 & 4 GLAND PLATE VERSION	Horizontal	405	506	605	696
	FOR 0, 1 & 2 GLAND PLATE VERSION	Horizontal	405	506	605	696
MATERIAL THICKNESS (mm)	BODY		1.5	1.5	1.5	2.0
	DOOR		1.5	1.5	1.5	2.0
WEIGHT (empty)	kg		7.7	10.6	14.9	20.9
INTERNAL MOUNTING						
RAIL FIXING CENTRES (mm)	Vertical		206	160	358	400
	Horizontal		250	160	450	540
RAIL LENGTH (mm)	Vertical		226	180	378	420
	Horizontal		270	180	470	560
AVAILABLE GLANDING AREA (mm) (with Gland Plates FITTED)						
TOP & BOTTOM			304 x 124	404 x 124	504 x 124	594 x 124
LEFT			214 x 124	214 x 124	337 x 124	404 x 124
RIGHT			258 x 124	214 x 124	337 x 124	404 x 124
MAXIMUM ENTRY GUIDE (Metric Glands) (based on BRASS GLANDS)			TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM
TOP / BOTTOM	M16		40 / 40	56 / 56	72 / 72	84 / 84
	M20		24 / 24	30 / 30	39 / 39	48 / 48
	M25		12 / 12	18 / 18	22 / 22	26 / 26
	M32		10 / 10	14 / 14	18 / 18	20 / 20
	M40		4 / 4	11 / 11	14 / 14	9 / 9
	M50		3 / 3	5 / 5	6 / 6	7 / 7
	M63		3 / 3	4 / 4	5 / 5	6 / 6
LEFT / RIGHT	M16		28 / 36	28 / 28	48 / 48	56 / 56
	M20		15 / 21	15 / 15	27 / 27	30 / 30
	M25		8 / 10	8 / 8	14 / 14	18 / 18
	M32		6 / 8	6 / 6	12 / 12	14 / 14
	M40		3 / 3	3 / 3	5 / 5	11 / 11
	M50		2 / 3	2 / 2	4 / 4	5 / 5
	M63		2 / 2	2 / 2	3 / 3	4 / 4
TERMINAL CONTENT						
Terminal conductor size	Orientation					
2.5 mm ²	Vertical		3 x 36	4 x 50	5 x 66	6 x 74
4 mm ²	Vertical		2 x 30	3 x 42	4 x 55	5 x 62
6 mm ²	Vertical		2 x 23	3 x 32	4 x 42	5 x 48
10 mm ²	Vertical		2 x 18	3 x 26	4 x 34	5 x 38
16 mm ²	Vertical		2 x 15	3 x 21	3 x 28	4 x 31

NOTES : -

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GENERAL ARRANGEMENT DRAWING



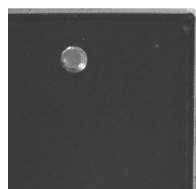
HIGH INTEGRITY ENCLOSURE / TERMINATION SOLUTIONS

The **STB** range is an **ATEX** certified steel and stainless steel junction box solution fully compliant with the impact, UV, thermal and ingress protection requirements for hazardous locations.

Available in a wide range of sizes to meet a diverse range of applications. Ideal for electrical and instrumentation applications.

Using the highest quality materials, design benefits and precision manufacturing the **STB** range is the benchmark for quality and performance in steel enclosures.

The Stainless Steel versions are suitable for salt laden atmospheres and harsh environmental conditions.



- Single Piece gasket
- Retained Fixing Screws



- Wide Sealing Path



- internal / external earth stud



- Heavy-duty welded mounting lugs



Typical STB assembled and certified for Hazardous Areas (ATEX and IECEx)

- **Material:** 1.5mm thick Stainless Steel grades 316L (1.4401) & 304 (1.4301) or Sheet Steel.
- **Finish:** **Stainless Steel:** Electro-chemical polish. **Sheet Steel:** Powder polyester Grey RAL 7032.
- **Gasket Material:** Neoprene closed cell sponge. **Option:** Silicon closed cell sponge available for lid and gland plate sealing.
- **Lid Fastening:** 4 x M6 captive stainless steel slotted hex head captive screws.
- **Enclosure Mounting:** STB 121208 to 252512: 2 x external 3mm thick welded lugs, 8mm holes.
STB 163812 to 254013: 4 x external 3mm thick welded lugs, 8mm holes.
STB 383822 to 604022: 4 x external 3mm thick welded lugs, 11mm holes / slots.
- **Equipment Mountings:** STB 121208 to 254013: C profile rail (TAS 20) **NEW: M5 sliding fixing nut kit included as standard**
STB 383822 to 604022: 4 x stand off pillars Ø 9mm, 25mm high, tapped M6 x 10.
- **Enclosure Earth:** STB 121208 to 254013: M6 external / internal brass earth stud assembly.
STB 383822 to 604022: M10 internal / external brass earth stud assembly.
- **Ingress Protection Rating:** IP66
- **Temperature Range:** Neoprene gasket: -45°C to +80°C, **Option:** Silicon gasket -65°C to +135°C.
- **Impact Resistance:** 7 J (Nm)
- **Certification:** **ATEX** Component certified: II 2 GD EEx e II (KEMA 99ATEX7895 U)
Industrial Control Panel UL cULus to UL50 / c22.2 no. 94-m91, types 3S, 4, 4X GOST-R



Special Hinged Version available – contact us for options and customisation services

NOTE: empty enclosure is component certified – for custom assembly service and apparatus certification please contact your local sales representative

CCH REFERENCE			STB 121208 STB1 120 x 120 x 80 (4.7" x 4.7" x 3.1")	STB 151280 STB 1.1 150 x 120 x 80 (5.9" x 4.7" x 3.1")	STB 151509 STB 2 150 x 150 x 90 (5.9" x 5.9" x 3.5")	STB 191509 STB 2.1 190 x 150 x 90 (7.5" x 5.9" x 3.5")	STB 191910 STB 3 190 x 190 x 100 (7.5" x 7.5" x 3.9")	STB 252512 STB 4 250 x 250 x 120 (9.8" x 9.8" x 4.7")
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Nominal Imperial Conversion)								
EXTERNAL FIXING CENTERS (mm)	Vertical		-	-	-	-	-	-
	Horizontal		145	175	175	215	215	275
MATERIAL THICKNESS (mm)	BODY & LID		1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		1.40	1.60	1.90	2.30	3.00	3.70
RAIL FIXING CENTERS (mm)	Vertical		-	-	-	-	-	-
	Horizontal		-	-	-	-	-	-
RAIL LENGTH (mm)	Vertical		80	110	90	150	150	-
	Horizontal		-	-	-	-	-	210
AVAILABLE GLANDING AREA (mm)	TOP & BOTTOM		114 x 60	114 x 60	144 x 70	144 x 70	184 x 80	244 x 100
	LEFT		114 x 60	144 x 60	144 x 70	184 x 70	184 x 80	244 x 100
	RIGHT		75 x 60	105 x 60	105 x 73	145 x 70	145 x 83	205 x 100
MAXIMUM ENTRY GUIDE (Metric Glands)			TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM
TOP & BOTTOM	M16		5 / 5	6 / 5	8 / 8	9 / 8	13 / 12	24 / 23
	M20		3 / 2	3 / 2	5 / 4	5 / 4	7 / 8	12 / 13
	M25		2 / 2	2 / 2	2 / 2	3 / 3	5 / 4	10 / 9
	M32		1 / 1	1 / 1	1 / 1	2 / 2	3 / 3	5 / 5
	M40		- / -	- / -	- / -	2 / 1	2 / 2	3 / 3
	M50		- / -	- / -	- / -	- / -	2 / 1	3 / 2
	M63		- / -	- / -	- / -	- / -	- / -	2 / 2
LEFT / RIGHT	M16		6 / 4	7 / 5	8 / 6	8 / 6	14 / 9	24 / 18
	M20		3 / 2	4 / 3	5 / 3	5 / 3	8 / 6	13 / 10
	M25		2 / 1	3 / 2	2 / 1	2 / 1	5 / 4	10 / 8
	M32		2 / 1	2 / 1	2 / 1	2 / 1	3 / 2	5 / 4
	M40		- / -	- / -	- / -	- / -	2 / 2	3 / 3
	M50		- / -	- / -	- / -	- / -	2 / 1	3 / 2
	M63		- / -	- / -	- / -	- / -	- / -	2 / 2
TERMINAL CONTENT								
Terminal conductor size	Orientation							
	Vertical		1 x 8	1 x 13	1 x 13	1 x 21	1 x 21	2 x 31
	Vertical		1 x 6	1 x 11	1 x 11	1 x 18	1 x 18	2 x 26
	Vertical		1 x 5	1 x 8	1 x 8	1 x 13	1 x 13	2 x 19
	Vertical		1 x 4	1 x 7	1 x 7	1 x 10	1 x 10	2 x 15

- NOTES : -
1. The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.

2. This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

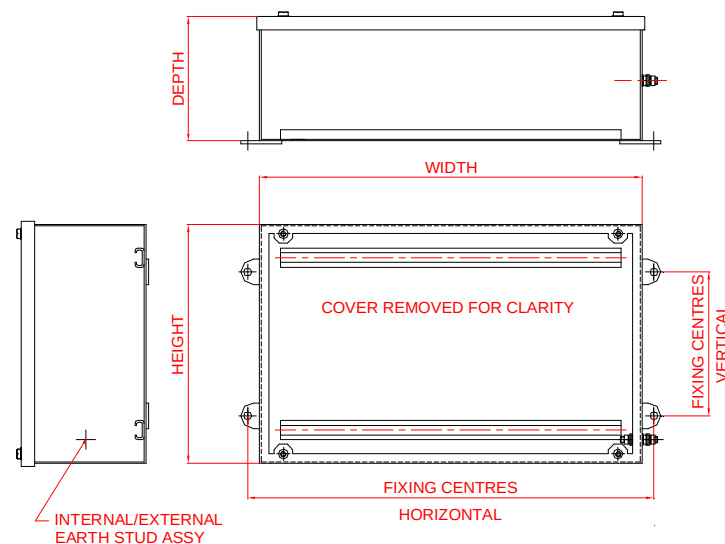
CCH REFERENCE			STB 163812 STB 5	STB 254013 STB 6	STB 383822 STB 7	STB 406022 STB 8	STB 604022 STB 9
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Nominal Imperial Conversion)			160 x 380 x 120 (6.3" x 15" x 4.7")	250 x 400 x 130 (9.8" x 15.7" x 5.1")	380 x 380 x 220 (15" x 15" x 8.7")	400 x 600 x 220 (15.7" x 23.6" x 8.7")	600 x 400 x 220 (23.6" x 15.7" x 8.7")
EXTERNAL FIXING CENTERS (mm)	Vertical		80	150	250	264	464
	Horizontal		405	425	435	655	456
MATERIAL THICKNESS (mm)	BODY & LID		1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)	kg		3.70	5.40	8.50	13.00	13.00
RAIL FIXING CENTERS (mm)	Vertical		-	180	300	320	520
	Horizontal		300	-	300	520	320
RAIL LENGTH (mm)	Vertical		120	200	320	340	540
	Horizontal		320	360	320	560	340
AVAILABLE GLANDING AREA (mm)	TOP & BOTTOM		374 x 100	394 x 110	374 x 190	594 x 190	394 x 190
	LEFT		154 x 100	244 x 110	374 x 190	394 x 190	594 x 190
	RIGHT		115 x 100	205 x 110	345 x 190	365 x 190	565 x 190
MAXIMUM ENTRY GUIDE (Metric Glands)			TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM	TOP / BOTTOM
TOP & BOTTOM	M16		36 / 35	48 / 47	78 / 78	126 / 126	84 / 84
	M20		21 / 21	27 / 27	50 / 50	80 / 80	50 / 50
	M25		16 / 15	16 / 16	32 / 32	52 / 52	32 / 32
	M32		9 / 9	11 / 11	18 / 18	30 / 30	21 / 21
	M40		6 / 5	7 / 6	10 / 10	18 / 18	12 / 12
	M50		4 / 4	5 / 5	8 / 8	14 / 14	10 / 10
	M63		3 / 3	4 / 3	6 / 6	12 / 12	8 / 8
				LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT	LEFT / RIGHT
LEFT / RIGHT	M16		15 / 9	30 / 24	78 / 72	84 / 78	126 / 120
	M20		7 / 5	17 / 14	50 / 45	50 / 45	80 / 75
	M25		6 / 4	10 / 8	32 / 28	32 / 32	52 / 48
	M32		3 / 2	7 / 6	18 / 18	21 / 18	30 / 30
	M40		2 / 1	4 / 3	10 / 10	12 / 10	18 / 16
	M50		1 / 1	3 / 2	8 / 8	10 / 8	14 / 14
	M63		1 / 1	2 / 2	6 / 6	8 / 6	12 / 10
	TERMINAL CONTENT						
Terminal conductor size	Orientation						
	2.5 mm²	Vertical	1 x 55 (Horiz. Row)	3 x 31	3 x 42	3 x 46	5 x 79
	4 mm²	Vertical	1 x 46 (Horiz. Row)	3 x 26	3 x 39	3 x 42	5 x 73
	6 mm²	Vertical	1 x 34 (Horiz. Row)	3 x 19	3 x 32	3 x 34	5 x 59
10 mm²	Vertical	1 x 28 (Horiz. Row)	3 x 15	3 x 25	3 x 27	5 x 47	

NOTES : -

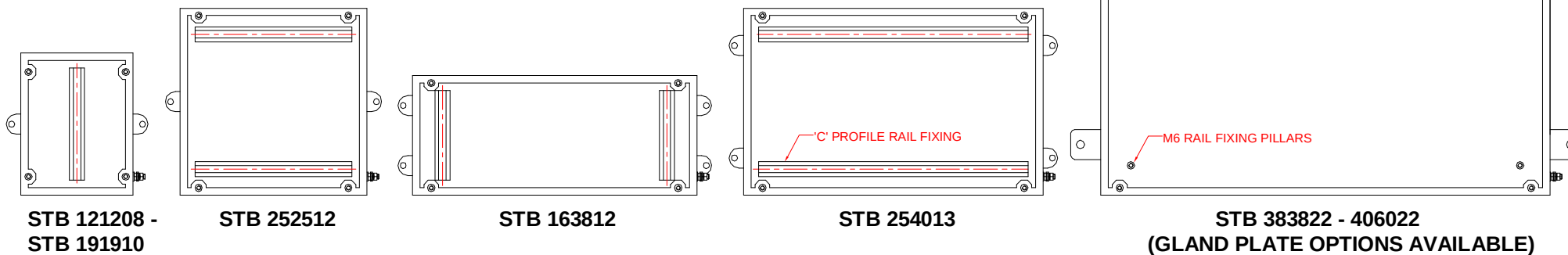
1. The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.

2. This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

GENERAL ARRANGEMENT DRAWING



FIXING LUG / RAIL / PILLAR CONFIGURATION



HVB STEEL ENCLOSURES

COOPER Crouse-Hinds

HIGH INTEGRITY ENCLOSURE / TERMINATION SOLUTIONS

The **HVB** range is an **ATEX** certified steel and stainless steel heavy-duty high voltage termination enclosure solution fully compliant with the impact, UV, thermal and ingress protection requirements for hazardous locations.

HVB is available in three different sizes with two termination versions for either three or four pole connectivity according to the electrical requirements of the application..

Using the highest quality materials, design benefits and precision manufacturing the **HVB** range is the benchmark for quality and performance in steel enclosures.

The Stainless Steel versions are suitable for salt laden atmospheres and harsh environmental conditions.



- One piece gasket
- Retained lid fixing screws



- Controlled gasket compression



- internal / external earth stud



- Heavy-duty welded mounting lugs

- **Material:** Stainless Steel grades: standard is 316L (1.4401) & 304 on request (1.4301) or Sheet Steel.
- **Material Thickness:** Body – 1.5mm, Door - 1.5mm (HBV 463820), 2.0mm for larger sizes (HVB 756120 & 916120).
- **Finish:** **Stainless Steel:** Electro-chemical polish. **Sheet Steel:** Powder polyester Grey RAL 7032.
- **Gasket Material:** Neoprene closed cell sponge.
- **Door Fastening:** Lift off hinged door with 180° opening, all stainless steel and captive hex fastening screws.
- **Enclosure Mounting:** 4 x external 3mm thick welded lugs, 11mm Ø holes / slots.
- **Terminations:** 3 or 4 pole assemblies suitable for up to 30mm wide cable lugs and M12 lug fixings.
- **Voltage Ratings:** 6.6kV at 50Hz. AC, 3 phase (earthed or unearthed supply systems)
- **Enclosure Earth:** M10 external / internal brass earth stud assembly. M14 for 150mm².
- **Ingress Protection Rating:** IP66
- **Temperature Range:** -20°C to +40°C
- **Impact Resistance:** 7 J (Nm)
- **Certification:** II 2 G EEx e II **T6, T5 or T4** ATEX (Baseefa03ATEX0052X) EEx'e' II T4 200A, T5 180A, T6 160A
UL50/C22.2 No.94-M91 mild steel: types 3S, 4; stainless steel: type 4X.

NOTE: for custom assembly service and apparatus certification please contact your local sales representative



Typical HVB assembled and certified for Hazardous Areas



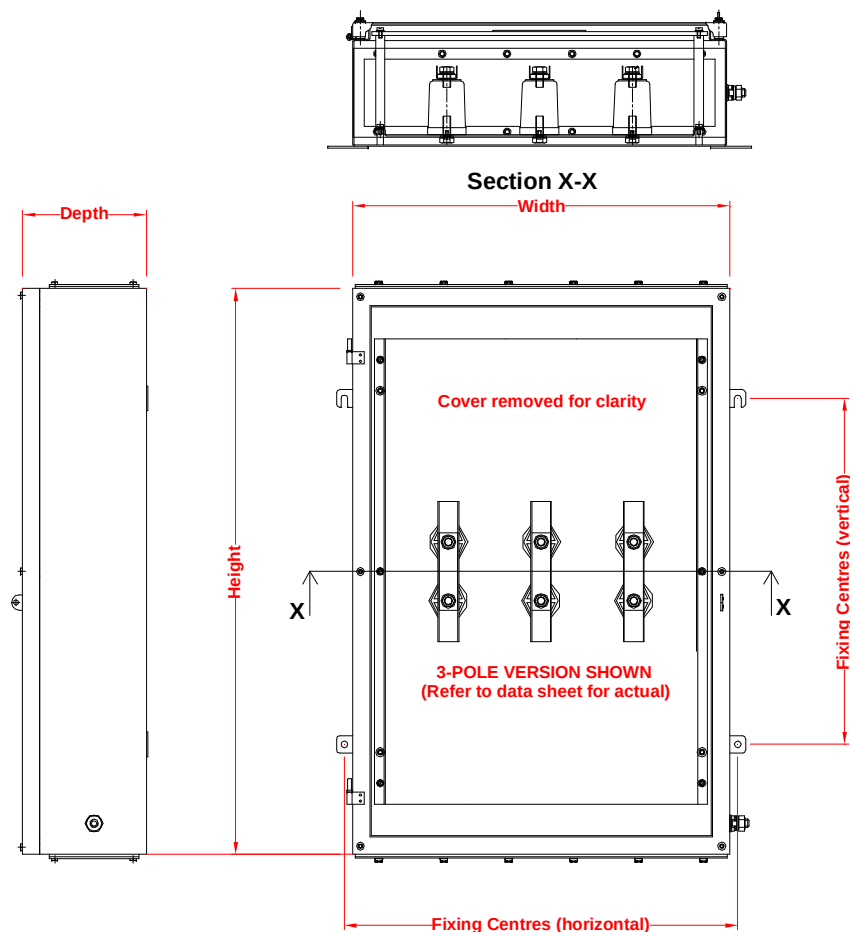
Gland entries and assembly services available – contact us for options and customisation services

TECHNICAL DATA SHEET

HVB ENCLOSURE

CCH PART REFERENCE		HVB463820 (3-pole)	HVB765120 (3-pole)	HVB916120 (3-pole)	HVB916120 (4-pole)
DIMENSIONS OVERALL (HEIGHT x WIDTH x DEPTH mm) (Nominal Imperial Size Conversion)		458 x 382 x 200 (18" x 15" x 7.9")	762 x 508 x 200 (30" x 20" x 7.9")	914 x 610 x 200 (36" x 24" x 7.9")	914 x 610 x 200 (36" x 24" x 7.9")
EXTERNAL FIXING CENTRES (mm)	Vertical	305	508	559	559
	Horizontal	407	534	534	636
MATERIAL THICKNESS	BODY	1.5	2.0	2.0	2.0
	LID	1.5	2.0	2.0	2.0
WEIGHT (EMPTY ENCLOSURE)	kg	23.75	37.00	45.00	47.00
MAXIMUM RATINGS	VOLTAGE (kV)	6.6	6.6	6.6	6.6
	CURRENT (A)	T4	200	200	200
		T5	180	180	180
		T6	160	160	160
Ratings based on an ambient temperature of 40°C					
MAXIMUM CABLE SIZE					
Maximum lug width	mm	30	30	30	30
Maximum cable size	sq.mm	150	150	150	150
	kcmil (MCM)	300	300	300	300
MAXIMUM WIRING SPACE (Distance between entries)		mm	180	335	410
AVAILABLE GLANDING AREA	TOP & BOTTOM	337 x 108	464 x 108	566 x 108	566 x 108
MAXIMUM No. of ENTRIES TOP & BOTTOM	M40	6	8	8	8
	M50	4	6	7	7
	M63	3	4	5	5
	M75	3	4	4	4
CURRENT RATINGS		The ratings below relate to all four HVB sizes			
		Cable Size (sq.mm)			
		Current (A)			
		T6			
		T5			
		T4			
		16	47	68	75
		25	62	89	98
		35	75	110	122
		50	89	133	147
		70	160	180	200
		Cable Size (AWG)			
		Current (A)			
		T6			
		T5			
		T4			
		6	42	59	65
		4	55	80	88
		3	64	92	102
		2	73	107	118
		1	81	121	134
		1/0	101	141	156
		2/0	150	173	192
		3/0	160	180	200

GENERAL ARRANGEMENT DRAWING



QBX STEEL ENCLOSURES

COOPER Crouse-Hinds

HIGH INTEGRITY ENCLOSURE / TERMINATION SOLUTIONS

The **QBX** range is a “UL certified” Industrial Control Panel enclosure available in various options of materials and finishes and is available in a comprehensive range of 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 an ingress protection rating of IP66 to EN50529.

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



- FIP gasket
- Excellent recovery properties



- Integral drainage channel



- internal / earth stud



- Adjustable mounting lugs



QBX with ¼ turn double bit latch (mounting lugs not fitted)

- **Material:** Stainless Steel grades 304 (1.4301) or Sheet Steel.
- **Material Thickness:** Body – 1.2mm, Door - 1.2mm.
- **Finish:** Stainless Steel: Electro-chemical polish. Sheet Steel: Powder polyester Grey RAL 7032.
- **Gasket Material:** Door – foam in place polyurethane (FIP), Gland Plate – closed cell sponge.
- **Door Fastening:** Hinged door with chrome plated die cast zinc ¼ turn latches.
- **Enclosure Mounting:** 4 x external lugs, with 8mm holes that can be mounted vertically, horizontally or diagonally, (supplied loose in bag with fixing kit).
4 x stand off pillars Ø 9mm, 25mm high, tapped M6 x10.
A 2mm thick Zinc coated mounting plate supplied.
- **Equipment Mountings:** **Optional** zero or bottom face gland plate on request.
Internal M6 stud on base & door.
- **Gland Plate:** IP66
- **Enclosure Earth:** -20°C to +80°C
- **Ingress Protection Rating:** Industrial Control Panel UL cULus to UL50 / c22.2 no. 94-m91, types 3S, 4, 4X (E115376)
- **Temperature Range:**
- **Certification:**

NOTE: for custom assembly service and customization please contact your local sales representative.

Cooper Crouse-Hinds (UK) Ltd
Dorset Road Sheerness
Kent ME12 1LP
www.enclosures-crouse-hinds.uk.com

REV 0907

TECHNICAL DATE SHEET

QBX RANGE ENCLOSURE

METRIC

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
MATERIAL THICKNESS	BODY		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
WEIGHT (EMPTY ENCLOSURE)	kg		2.78	3.61	4.70	5.96	6.42	7.41
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
AVAILABLE GLANDING AREA	CENTRAL		160 x 60	247.5 x 60	247.5 x 60	(not central)	(not central)	(not central)
	LEFT		(central)	(central)	(central)	160 x 60	160 x 60	160 x 60
	RIGHT					160 x 60	160 x 60	160 x 60
MAXIMUM ENTRY GUIDE (Metric Glands)	M16		10	16	16			
	M20		4	7	7			
	M25		3	5	5			
	M32		2	4	4			
BOTTOM / CENTRAL	M40		0	0	0	(not central)	(not central)	(not central)
	M50		0	0	0			
	M63		0	0	0			
BOTTOM - LEFT	M16					10	10	10
	M20					4	4	4
	M25					3	3	3
	M32		(central)	(central)	(central)	2	2	2
	M40					0	0	0
	M50					0	0	0
	M63					0	0	0
BOTTOM - RIGHT	M16		(central)	(central)	(central)	10	10	10
	M20					4	4	4
	M25					3	3	3
	M32					2	2	2
	M40					0	0	0
	M50					0	0	0
	M63					0	0	0
Entries 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 ² (5mm)		Vert	1 x 42	2 x 42	2 x 62	3 x 62	3 x 82	3 x 102
		Horiz	2 x 22	2 x 42	3 x 42	3 x 62	4 x 62	5 x 62
4mm ² (6mm)		Vert	1 x 35	2 x 35	2 x 51	3 x 51	3 x 68	3 x 85
		Horiz	2 x 18	2 x 35	3 x 35	3 x 51	4 x 51	5 x 51
6mm ² (8mm)		Vert	1 x 26	2 x 26	2 x 38	3 x 38	3 x 51	3 x 63
		Horiz	2 x 13	2 x 26	3 x 26	3 x 38	4 x 38	5 x 38
10mm ² (10mm)		Vert	1 x 21	2 x 21	2 x 31	3 x 31	3 x 41	3 x 51
		Horiz	2 x 11	2 x 21	3 x 21	3 x 31	4 x 31	5 x 31

Based on the physical constraints of the enclosure.

TECHNICAL DATE SHEET

QBX RANGE ENCLOSURE

METRIC

DIMENSIONS IN MM (HEIGHT X WIDTH X DEPTH)			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
MATERIAL THICKNESS	BODY		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
WEIGHT (EMPTY ENCLOSURE)		kg	5.15	6.23	6.23	7.45	8.67	8.67	10.04
INTERNAL MOUNTING PLATE		dimensions, h x w	255 x 255	255 x 355	355 x 255	355 x 355	355 x 455	455 x 355	455 x 455
AVAILABLE GLANDING AREA	CENTRAL		247.5 x 160	(not central)	247.5 x 160	(not central)	(not central)	(not central)	(not central)
	LEFT		(central)	160 x 160	(central)	160 x 160	160 x 160	160 x 160	160 x 160
	RIGHT			160 x 160		160 x 160	247.5 x 160	160 x 160	247.5 x 160
MAXIMUM ENTRY GUIDE (Metric Glands)	M16		40		40				
	M20		24		24				
	M25		15		15				
	M32		11	(not central)	11	(not central)	(not central)	(not central)	(not central)
	M40		7		7				
	M50		6		6				
	M63		3		3				
BOTTOM - LEFT	M16			25		25	25	25	25
	M20			16		16	16	16	16
	M25			9		9	9	9	9
	M32	(central)		6	(central)	6	6	6	6
	M40			4		4	4	4	4
	M50			4		4	4	4	4
	M63			1		1	1	1	1
BOTTOM - RIGHT	M16	(central)		25	(central)	25	40	25	40
	M20			16		16	24	16	24
	M25			9		9	15	9	15
	M32			6		6	11	6	11
	M40			4		4	7	4	7
	M50			4		4	6	4	6
	M63			1		1	3	1	3
Entries 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							
2.5mm² (5mm)		Vert	2 x 42	3 x 42	2 x 62	3 x 62	4 x 62	3 x 82	4 x 82
		Horiz	2 x 42	2 x 62	3 x 42	3 x 62	3 x 82	4 x 62	4 x 82
4mm² (6mm)		Vert	2 x 35	3 x 35	2 x 51	3 x 51	4 x 51	3 x 68	4 x 68
		Horiz	2 x 35	2 x 51	3 x 35	3 x 51	3 x 68	4 x 51	4 x 68
6mm² (8mm)		Vert	2 x 26	3 x 26	2 x 38	3 x 38	4 x 38	3 x 51	4 x 51
		Horiz	2 x 26	2 x 38	3 x 26	3 x 38	3 x 51	4 x 38	4 x 51
10mm² (10mm)		Vert	2 x 21	3 x 21	2 x 31	3 x 31	4 x 31	3 x 41	4 x 41
		Horiz	2 x 21	2 x 31	3 x 21	3 x 31	3 x 41	4 x 31	4 x 41

Based on the physical constraints of the enclosure.

TECHNICAL DATE SHEET

QBX RANGE ENCLOSURE

METRIC

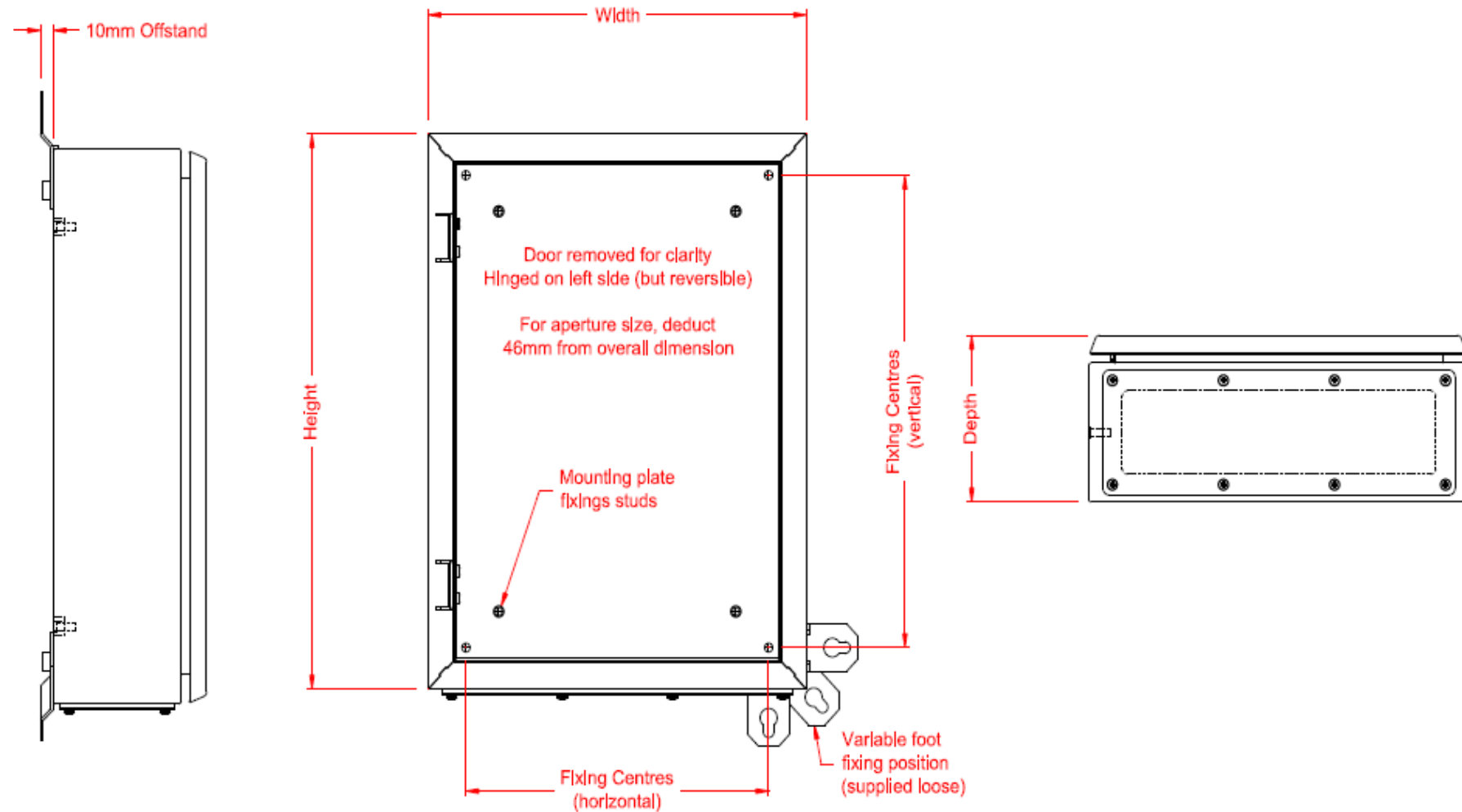
DIMENSIONS IN MM (HEIGHT X WIDTH X DEPTH)			500 x 600 x 220	600 x 400 x 220	600 x 500 x 220	600 x 600 x 220	700 x 500 x 220	700 x 600 x 220	800 x 600 x 220
MATERIAL THICKNESS	BODY		1.2	1.2	1.2	1.2	1.2	1.2	1.2
	LID		1.2	1.2	1.2	1.2	1.2	1.2	1.2
WEIGHT (EMPTY ENCLOSURE)	kg		11.41	9.81	11.41	13.00	12.78	14.43	16.50
INTERNAL MOUNTING PLATE	dimensions, h x w		455 x 555	555 x 355	555 x 455	555 x 555	655 x 455	655 x 555	755 x 555
AVAILABLE GLANDING AREA	CENTRAL		(not central)	(not central)	(not central)	(not central)	(not central)	(not central)	(not central)
	LEFT		247.5 x 160	160 x 160	160 x 160	247.5 x 160	160 x 160	247.5 x 160	247.5 x 160
	RIGHT		247.5 x 160	160 x 160	247.5 x 160	247.5 x 160	247.5 x 160	247.5 x 160	247.5 x 160
MAXIMUM ENTRY GUIDE (Metric Glands)	M16								
	M20								
	M25								
	M32								
	M40								
BOTTOM / CENTRAL	M50								
	M63								
	M16								
	M20								
	M25								
BOTTOM - LEFT	M32								
	M40								
	M50								
	M63								
	M16								
BOTTOM - RIGHT	M20								
	M25								
	M32								
	M40								
	M50								
BOTTOM - RIGHT	M63								
	M16								
	M20								
	M25								
	M32								
BOTTOM - RIGHT	M40								
	M50								
	M63								
Entries 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 ² (5mm)	Vert		5 x 82	3 x 102	4 x 102	5 x 102	4 x 122	5 x 122	5 x 142
	Horiz		4 x 102	5 x 62	5 x 82	5 x 102	6 x 82	6 x 102	7 x 102
4mm ² (6mm)	Vert		5 x 68	3 x 85	4 x 85	5 x 85	4 x 101	5 x 101	5 x 118
	Horiz		4 x 85	5 x 51	5 x 68	5 x 85	6 x 68	6 x 85	7 x 85
6mm ² (8mm)	Vert		5 x 51	3 x 63	4 x 63	5 x 63	4 x 76	5 x 76	5 x 88
	Horiz		4 x 63	5 x 38	5 x 51	5 x 63	6 x 51	6 x 63	7 x 63
10mm ² (10mm)	Vert		5 x 41	3 x 51	4 x 51	5 x 51	4 x 61	5 x 61	5 x 71
	Horiz		4 x 51	5 x 31	5 x 41	5 x 51	6 x 41	6 x 51	7 x 51

Based on the physical constraints of the enclosure.

QBX STEEL ENCLOSURES

COOPER Crouse-Hinds

GENERAL ARRANGEMENT DRAWING - QBX



Cooper Crouse-Hinds (UK) Ltd
Dorset Road Sheerness
Kent ME12 1LP
www.enclosures-crouse-hinds.uk.com

REV 0907



Kestrel PKE GRP ENCLOSURE RANGE

COOPER Crouse-Hinds

HIGH INTEGRITY ENCLOSURE / TERMINATION SOLUTIONS

The **Kestrel PKE** range is an **ATEX** certified heavy-duty thick wall GRP junction box solution fully compliant with the impact, UV, thermal and ingress protection requirements for hazardous locations.

Available in a wide range of sizes to meet a diverse range of applications.

Using the highest quality materials, design benefits and precision manufacturing the **Kestrel PKE** range is the benchmark in Glass Reinforced Polyester enclosures for electrical and instrumentation applications.

Suitable for aggressive chemical and mechanically harsh environmental conditions.

Corrosion and seawater proof.



- Retained lid screws
- Silicon seal



- Thick wall construction
- Optional internal plates



- Optional internal / external earth stud



Enclosure shown with optional foot mounting kit, earth stud and one-piece cruciform brass earth continuity plate.

- | | |
|--------------------------------------|---|
| • Material | Carbon Loaded Glass Reinforced Polyester (GRP), with anti-static properties |
| • Finish | Natural Resin Black, similar to RAL 9005 |
| • Gasket Material | Silicone rubber gasket |
| • Door Fixing | Captive stainless steel cross head (+ -) screws |
| • Enclosure Mounting | 4 x fixing holes M4 / M6 depending on enclosure size, optional foot kit (as shown above) |
| • Equipment Mountings | Brass mounting holes tapped at M3, M4, or M6 depending on enclosure size |
| • Enclosure Earth | Optional M6 internal/external brass stud assembly |
| • Internal Earth | Optional one-piece cruciform brass earth continuity plate |
| • Ingress Protection Rating | IP66 |
| • Operating Temperature Range | -55°C to +100°C |
| • Impact Resistance | 7 J (Nm) |
| • Toxicity | Halogen and Cadmium free |
| • Certification | Component certified ATEX II 2 G Ex e II |

NOTE: empty enclosure is component certified – for custom assembly services and apparatus certification please contact your local sales representative

Cooper Crouse-Hinds (UK) Ltd
Dorset Road Sheerness
Kent ME12 1LP
www.enclosures-crouse-hinds.uk.com

REV 0907

CCH PART REFERENCE		PKEPE080806 PREFERRED SIZE	PKEPE081106	PKEPE081606	PKEPE081906	PKEPE121309 PREFERRED SIZE	PKEPE122210 PREFERRED SIZE	PKEPE161610 PREFERRED SIZE	PKEPE162610 PREFERRED SIZE	PKEPE163610	PKEPE165610
DIMENSIONS (mm)	(HEIGHT x WIDTH x DEPTH)	75 x 80 x 55	75 x 110 x 55	75 x 160 x 55	75 x 190 x 55	120 x 122 x 90	120 x 220 x 90	160 x 160 x 90	160 x 260 x 90	160 x 360 x 90	160 x 560 x 90
	Depth of lid	15	15	15	15	25	25	21	20	20	20
	Depth	55	55	55	55	90	90	90	90	90	90
	Depth of Body	40	40	40	40	65	65	69	70	70	70
EXTERNAL FIXING CENTRES (mm)	Vertical	45	45	45	45	82	82	110	110	110	110
	Horizontal	68.5	98	148	178	106	204	140	240	340	540
MATERIAL THICKNESS (mm)	BODY	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.5	6.5	6.5
	LID	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0
Weight (empty)	kg	0.23	0.28	0.37	0.43	0.66	1.04	1.28	1.62	2.30	3.16
TERMINAL MOUNTING RAIL											
RAIL FIXING CENTRES (mm)	Horizontal	59	89	139	169	95	193	132	233	333	534
OVERALL RAIL LENGTH (mm)	Horizontal	64	94	145	174	105	200	139	239	339	541
AVAILABLE GLANDING AREA (mm)	TOP & BOTTOM	48 x 32	73 x 32	130 x 32	162 x 32	83 x 57	182 x 57	114 x 65	214 x 62	314 x 62	2 x (242 x 62)
	LEFT	27 x 26	27 x 26	27 x 26	29 x 27	58 x 50	58 x 50	82 x 50	82 x 55	82 x 55	81 x 55
MAXIMUM ENTRY GUIDE	RIGHT	27 x 26	27 x 26	27 x 26	29 x 27	58 x 50	58 x 50	82 x 50	82 x 55	82 x 55	81 x 55
TOP & BOTTOM	M16	1	2	4	5	5	12	7	14	21	32
	M20	1	2	0	0	2	4	3	5	8	12
	M25	0	0	0	0	1	4	2	4	7	10
	M32	0	0	0	0	1	3	2	3	5	8
	** M40	0	0	0	0	0	0	0	0	0	0
	** M50	0	0	0	0	0	0	0	0	0	0
	** M63	0	0	0	0	0	0	0	0	0	0
	M16	1	1	1	1	2	2	5	5	5	4
	M20	0	0	0	0	1	1	2	2	2	2
	M25	0	0	0	0	1	1	1	1	1	1
	M32	0	0	0	0	0	0	1	1	1	1
	** M40	0	0	0	0	0	0	0	0	0	0
	** M50	0	0	0	0	0	0	0	0	0	0
	** M63	0	0	0	0	0	0	0	0	0	0
	M16	1	1	1	1	2	2	5	5	5	4
	M20	0	0	0	0	1	1	2	2	2	2
	M25	0	0	0	0	1	1	1	1	1	1
	M32	0	0	0	0	0	0	1	1	1	1
	** M40	0	0	0	0	0	0	0	0	0	0
	** M50	0	0	0	0	0	0	0	0	0	0
	** M63	0	0	0	0	0	0	0	0	0	0
RIGHT	M16	1	1	1	1	2	2	5	5	5	4
	M20	0	0	0	0	1	1	2	2	2	2
	M25	0	0	0	0	1	1	1	1	1	1
	M32	0	0	0	0	0	0	1	1	1	1
	** M40	0	0	0	0	0	0	0	0	0	0
	** M50	0	0	0	0	0	0	0	0	0	0
	** M63	0	0	0	0	0	0	0	0	0	0
	M16	1	1	1	1	2	2	5	5	5	4
	M20	0	0	0	0	1	1	2	2	2	2
	M25	0	0	0	0	1	1	1	1	1	1
	M32	0	0	0	0	0	0	1	1	1	1
	** M40	0	0	0	0	0	0	0	0	0	0
	** M50	0	0	0	0	0	0	0	0	0	0
	** M63	0	0	0	0	0	0	0	0	0	0
	M16	1	1	1	1	2	2	5	5	5	4
	M20	0	0	0	0	1	1	2	2	2	2
	M25	0	0	0	0	1	1	1	1	1	1
	M32	0	0	0	0	0	0	1	1	1	1
	** M40	0	0	0	0	0	0	0	0	0	0
	** M50	0	0	0	0	0	0	0	0	0	0
	** M63	0	0	0	0	0	0	0	0	0	0
** Please refer to ATEX Certificate											
TERMINAL CONTENT											
Terminal Type (thickness)	Orientation										
	WDU 2.5 (5.1)	Horizontal				1 x 12	1 x 35	1 x 24	1 x 43	1 x 60	1 x 98
	WDU 4 (6.1)	Horizontal				1 x 11	1 x 26	1 x 20	1 x 34	1 x 50	1 x 82
	WDU 6 (7.9)	Horizontal				-	-	1 x 12	1 x 24	1 x 37	1 x 61
	SAK 2.5 (6.0)	Horizontal	(Refer to AKZ terminal information below)			1 x 11	1 x 26	1 x 16	1 x 32	1 x 49	1 x 82
	SAK 4 (6.5)	Horizontal				1 x 10	1 x 24	1 x 15	1 x 30	1 x 45	1 x 75
	SAK 6 (8.0)	Horizontal				1 x 8	1 x 20	1 x 12	1 x 24	1 x 37	1 x 61
	SAK 10 (10.0)	Horizontal				-	-	1 x 10	1 x 19	1 x 29	1 x 49
	AKZ 4 (6.1)	Horizontal	1 x 8	1 x 13	1 x 21	1 x 26	1 x 14	1 x 30	1 x 18	1 x 34	

NOTES :-

- The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.
- This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

CCH PART REFERENCE		PKEPE121312	PKEPE161612	PKEPE252613 PREFERRED SIZE	PKEPE254013 PREFERRED SIZE	PKEPE256013	PKEPE414013	PKEPE252516	PKEPE254016	PKEPE256016	PKEPE414017
DIMENSIONS (mm) (HEIGHT x WIDTH x DEPTH)		120 x 122 x 120	160 x 160 x 120	250 x 255 x 120	250 x 400 x 120	250 x 600 x 120	405 x 400 x 120	250 x 255 x 160	250 x 400 x 160	250 x 600 x 160	405 x 400 x 165
Depth of lid	Depth	55	50	25	25	25	25	65	25	25	25
	Depth	120	120	120	120	120	120	160	160	160	165
	Depth of Body	65	70	95	95	95	95	95	135	135	140
EXTERNAL FIXING CENTRES (mm)	Vertical	82	110	200	200	200	355	200	200	200	355
	Horizontal	106	140	235	380	580	380	235	380	580	380
MATERIAL THICKNESS (mm)	BODY	5.0	6.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	LID	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Weight (empty)	kg	0.89	1.50	2.73	3.65	5.38	5.08	3.68	4.80	5.38	7.74
TERMINAL MOUNTING RAIL											
RAIL FIXING CENTRES (mm)	Horizontal	95	132	227	373	570	372	227	373	570	372
OVERALL RAIL LENGTH (mm)	Horizontal	105	139	234	379	580	379	234	379	580	379
AVAILABLE GLANDING AREA (mm) TOP & BOTTOM	LEFT	83 x 57	112 x 54	207 x 85	352 x 85	2 x (260 x 85)	352 x 85	207 x 85	352 x 85	2 x (260 x 85)	352 x 129
	RIGHT	58 x 50	82 x 50	172 x 80	172 x 80	172 x 80	327 x 80	172 x 80	172 x 80	172 x 80	327 x 124
		58 x 50	82 x 50	172 x 80	172 x 80	172 x 80	327 x 80	172 x 80	172 x 80	172 x 80	327 x 124
MAXIMUM ENTRY GUIDE											
TOP & BOTTOM	M16	5	8	20	36	52	36	20	36	52	36
	M20	4	6	10	18	26	18	10	18	26	18
	M25	3	4	8	15	22	15	8	15	22	15
	M32	2	2	3	6	8	6	3	6	8	6
	** M40	1	1	3	5	8	5	3	5	8	5
	** M50	1	1	2	4	6	4	2	4	6	4
	** M63	0	0	0	0	0	0	0	0	0	0
	M16	2	5	17	17	17	33	17	17	17	33
	M20	2	4	8	8	8	16	8	8	8	16
	M25	1	4	3	6	6	7	3	6	6	7
LEFT	M32	1	2	3	3	3	5	3	3	3	5
	** M40	1	1	2	2	2	5	2	2	2	5
	** M50	0	0	2	2	2	4	2	2	2	4
	** M63	0	0	0	0	0	0	0	0	0	0
	M16	2	5	17	17	17	33	17	17	17	33
	M20	2	4	8	8	8	16	8	8	8	16
RIGHT	M25	1	2	3	6	6	7	3	6	6	7
	M32	1	2	3	3	3	5	3	3	3	5
	** M40	0	1	2	2	2	5	2	2	2	5
	** M50	0	0	2	2	2	4	2	2	2	4
	** M63	0	0	0	0	0	0	0	0	0	0
	** Please refer to ATEX Certificate										
TERMINAL CONTENT											
Terminal Type (thickness)	Orientation										
	WDU 2.5 (5.1)	Horizontal	1 x 12	1 x 24	2 x 43	2 x 67	2 x 108	3 x 67	2 x 43	2 x 67	2 x 108
	WDU 4 (6.1)	Horizontal	1 x 11	1 x 20	2 x 35	1 x 56	1 x 91	3 x 56	2 x 35	1 x 56	1 x 91
	WDU 6 (7.9)	Horizontal	-	1 x 12	2 x 24	1 x 42	1 x 67	2 x 42	2 x 24	1 x 42	1 x 67
	SAK 2.5 (6.0)	Horizontal	1 x 11	1 x 16	2 x 32	2 x 56	2 x 90	3 x 56	2 x 32	2 x 56	2 x 90
	SAK 4 (6.5)	Horizontal	1 x 10	1 x 15	2 x 29	2 x 51	2 x 83	3 x 51	2 x 29	2 x 51	2 x 83
	SAK 6 (8.0)	Horizontal	1 x 8	1 x 12	2 x 24	2 x 42	2 x 67	3 x 42	2 x 24	2 x 42	2 x 67
	SAK 10 (10.0)	Horizontal	-	1 x 10	2 x 19	2 x 33	2 x 54	3 x 33	2 x 19	2 x 33	2 x 54
	AKZ 4 (6.1)	Horizontal									

(Refer to WDU and SAK terminal information above)

NOTES :-

1. The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.
2. This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice



Kestrel PKE GRP ENCLOSURE RANGE

COOPER Crouse-Hinds

GENERAL ARRANGEMENT DRAWING

W=

8.0 (080806 - 081906)

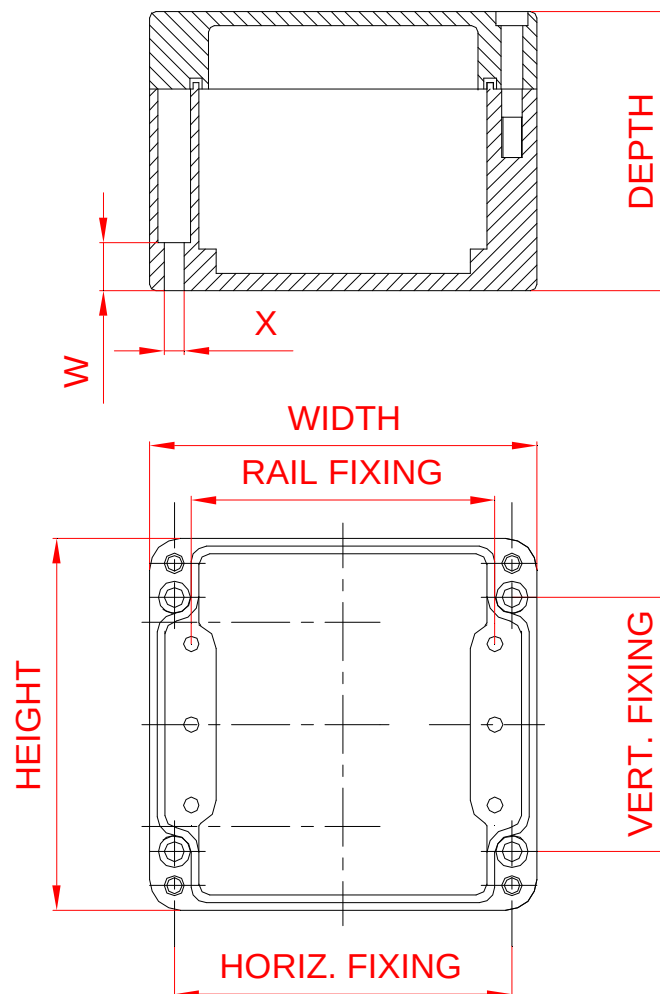
15.0 (121309 - 122209)

20.0 (161609 - 414017)

X=

Ø4.6 (080806 - 081906)

Ø6.5 (121309 - 414017)



ENCLOSURE SOLUTIONS



CUSTOMISED ENCLOSURE SERVICES



In addition to manufacturing our standard enclosure product lines, Cooper Crouse-Hinds (UK) Ltd. also provide an enclosure customisation service to design, manufacture and configuration of enclosures to meet customer's specific requirements.

These customised enclosures are made to the same high quality and performance as our standard enclosure product line and can benefit from the same inherent ingress protection (IP), impact resistance and corrosion resistance.



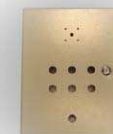
A customised enclosure may be for an OEM equipment manufacturer requiring an enclosure to house specific electrical, electronic or mechanical equipment or for a specific project or contract for the installation of a copper power, instrumentation or communications infrastructure.

The various parameters of the enclosure can be selected from a range the materials. Depending on the environment in which it will be installed; this could be either 316L, 304 stainless steel (both supplied electro-polished finish as standard) or powder coated steel to RAL 7032, or a customised colour on request. Physical dimensions of the enclosure maybe determined and options such as door fastening method; $\frac{1}{4}$ turn locking or retained bolts may also be chosen by preference.



We can also provide any required cable gland clearance holes or cut-outs for the mounting of switches, push-buttons or meters etc.

As part of our customisation service we can also populate the enclosure with terminals, PLC's, Profibus hubs and other various components including cable glands and breather drains. We are also able to provide a service to install free issue items in to the enclosure, include any labeling requirements if provided with all the necessary information.



ENCLOSURE SOLUTIONS

COOPER Crouse-Hinds

Enclosure Range : Size Summary (Size Reference : height / width / depth)

Ex-Cell	NXT	STB	QBX	Kestrel
23/15/13cm	22/15/13cm	12/12/08cm	20/20/12cm	08/08/06cm
26/26/15cm	26/26/16cm	15/12/08cm	30/20/12cm	08/11/06cm
30/20/15cm	26/26/20cm	15/15/09cm	30/30/12cm	08/16/06cm
30/30/15cm	30/30/16cm	15/19/09cm	30/40/12cm	08/19/06cm
40/30/15cm	30/30/20cm	16/38/12cm	40/30/12cm	12/13/09cm
40/40/15cm	30/35/20cm	19/19/10cm	40/40/12cm	12/22/10cm
40/50/15cm	38/26/16cm	25/25/12cm	50/40/12cm	16/16/10cm
50/40/15cm	38/26/20cm	25/40/13cm	60/40/12cm	16/26/10cm
50/50/15cm	38/45/20cm	38/38/22cm	30/30/22cm	16/36/10cm
60/40/15cm	45/38/16cm	40/60/22cm	30/40/22cm	16/56/10cm
60/50/15cm	45/38/20cm	60/40/22cm	40/30/22cm	25/26/13cm
60/60/15cm	45/55/20cm		40/40/22cm	25/26/17cm
50/60/20cm	48/48/20cm		40/50/22cm	25/40/13cm
60/40/20cm	50/35/20cm		50/30/22cm	25/40/17cm
60/50/20cm	50/64/20cm		50/40/22cm	25/60/13cm
60/60/20cm	62/45/20cm		50/50/22cm	25/40/17cm
60/76/20cm	74/55/20cm		50/60/22cm	
76/50/20cm	76/50/20cm		60/30/22cm	
76/60/20cm	86/64/20cm		60/40/22cm	
76/76/20cm	91/61/20cm		60/50/22cm	
80/60/20cm	98/74/20cm		60/60/22cm	
80/80/20cm			70/30/22cm	
91/61/20cm			70/40/22cm	
91/76/20cm			70/50/22cm	
91/91/20cm			70/60/22cm	
100/80/30cm			80/30/22cm	
100/100/30cm			80/40/22cm	
120/100/30cm			80/50/22cm	
120/120/30cm			80/60/22cm	
160/120/40cm	190/100/30cm	125/30/20cm	120/120/40cm	

**INTERMEDIATE SIZES AND INCREASED DEPTHS
AVAILABLE ON ALL RANGES**

Custom Product: test us with your specific requirements...



DQS GmbH

Certificate No. 000431 QM



**Designed, Engineered &
Manufactured in the UK**



Available World-Wide

Cooper Crouse-Hinds (UK) Ltd
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