



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa03ATEX0491X**

4 Equipment or Protective System: **KESTREL 'PKE' & 'POK' POLYESTER JUNCTION BOXES**

5 Manufacturer: **COOPER CROUSE-HINDS (UK) LIMITED**

6 Address: **Dorset Road, Sheerness, Kent, ME12 1LP**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **03(C)0555**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + Amendments 1 & 2 and EN 50019: 2000

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

(Ex) II 2 G EExe II T6 -55°C ≤ Tamb ≤ (see schedule)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. **4221**

Project File No. **03/0555**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa (2001) Ltd.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



13

Schedule

14

Certificate Number Baseefa03ATEX0491X

15 Description of Equipment or Protective System

The junction boxes consist of type Kestrel 'PKE' and 'POK' glass reinforced polyester empty enclosures fitted with a variety of different terminal arrangements. The empty enclosures are covered by certificate number PTB03ATEX1120U, coded EExe II. There are 16 box sizes ranging from 80x75x55mm to 400x250x160mm (Width x Depth x Height).

The terminals are covered by their own component certificates and are coded EExe II. The terminals are listed on drawing number 724639.

The terminals must be used within their relevant temperature range, voltage and current limitations, and fitted in accordance with EN 50019 with regard to creepage and clearance distances. Details are contained within drawing numbers 701548, 723668, 723669, 723670 & 724648 regarding the different EEx certification labels required depending on the certification application required by the customer/end user. The labels contain a note 'Caution – Clean only with a damp cloth' to provide protection from electrostatic ignition risks.

The maximum power dissipation within the junction box is as follows:-

BOX TYPE	MAXIMUM DISSIPATED POWER (WATTS)			CABLE LENGTH PER TERMINAL (Metres)
	T6 @ 40°C Ambient	T6 @ 55°C Ambient	T6 @ 65°C Ambient	
PKE/POK 080806	1.8	0.9	0.45	0.099
PKE/POK 081106	2.2	1.1	0.55	0.116
PKE/POK 081606	2.7	1.3	0.68	0.159
PKE/POK 081906	3.1	1.5	0.79	0.185
PKE/POK 121309	4.0	2.0	1.00	0.163
PKE/POK 122210	7.0	3.5	1.75	0.232
PKE/POK 161610	6.8	3.4	1.70	0.206
PKE/POK 162610	9.0	4.5	2.25	0.277
PKE/POK 163610	11.4	5.7	2.85	0.362
PKE/POK 165610	12.6	6.3	3.30	0.546
PKE/POK 252613	15.0	7.5	3.75	0.338
PKE/POK 254013	18.7	9.3	4.67	0.445
PKE/POK 256013	20.6	10.3	5.15	0.618
PKE/POK 414013	21.4	10.7	5.35	0.549
PKE/POK 252617	15.9	7.9	3.97	0.356
PKE/POK 254017	31.0	15.5	7.75	0.458

The maximum number of terminals which may be fitted into each junction box is calculated using the following formula for EExe applications:

$$\text{Power} = I^2 \times N(R_t + R_c) \text{ Watts}$$



Where:

I = actual current through the conductor up to the maximum certified current of the terminal (amps)

N = number of terminals

R_t = terminal resistance (Ohms @ 20°C)

R_c = resistance of one conductor (Ohms @ 20°C) when using a maximum diagonal cable length listed in the above table.

The junction boxes may be fitted with a window in the lid as covered on PTB03ATEX1120U. The junction boxes may be fitted with flat/single (3.0mm thick) or cruciform (1.2mm thick) style earth continuity plates in brass or plated mild steel as shown on drawing numbers 724621 & 724620. The junction boxes may also be fitted with an internal/external earth stud assembly as shown on drawing number 720842 which if fitted correctly will not affect the IP rating of the junction box. The junction boxes can be drilled and tapped up to M32 or equivalent parallel thread or plain hole size, as shown on drawing number 724619.

VARIATION 0.1

Inclusion of terminals for intrinsically safe (I.S.) circuits within the enclosure. With this arrangement the coding changes to:

⊕ II 2G EEx e[ia] II

VARIATION 0.2

Terminals for I.S. circuits only contained within the enclosure. With this arrangement the coding changes to:

⊕ II 1G EEx ia II

16 Report Number

03(C)0555

17 Special Conditions for Safe Use

1. Unused entries must be fitted with one of the following stopping plugs:-
Raxton to certificate number Sira00ATEX1073U
Redapt to certificate number Sira00ATEX1094 & Sira00ATEX3091.
2. All terminal screws used and unused, shall be tightened down by the end user.
3. Insulation of conductors must extend to within 1mm of the metal of the terminal throat unless specified otherwise on the terminal certificate.
4. No more than one single or multi strand lead shall be connected into either side of any terminal unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated crimped bootlace ferrule, or any method indicated on the terminal certificate.
5. Terminals shall be installed in such a manner that the creepage and clearance distances between the terminal and the adjacent components, enclosure walls and covers comply with the requirements of EN 50019 for the rated voltage of the apparatus.
6. Terminal temperatures must not exceed the operating range specified on the component certificate.
7. All terminals and accessories such as cross-connectors shall be installed in accordance with the terminal manufacturer's instructions. Cooper Crouse-Hinds will supply the relevant terminal manufacturer's instructions with each junction box covered by this certificate.
8. The maximum voltage and dissipated power shown on the external certification label must not be exceeded.



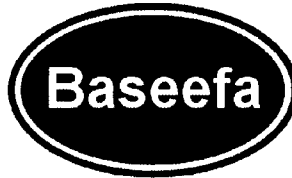
9. When connecting conductors of cross section below the maximum allowed for the particular terminal then the maximum amps per pole must be reduced in line with the maximum amps permitted for the terminal equivalent to the conductor size fitted e.g. If the terminal that can take a 10mm² conductor at 50Amps is fitted with a 4mm² conductor then the current shall be reduced to a maximum of 21Amps, or rating required by the equipment, whichever is lower.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
701548	1 of 1	0	17/06/03	Engraving for ATEX Certification Labels
720842	1 of 1	4	23/06/03	Earth Stud Assembly
723668	1 of 1	0	17/06/03	Certification Label (e)
723669	1 of 2	0	17/06/03	Certification Label (ia)
723670	1 of 2	0	17/06/03	Certification Label (e ia)
724619	1 of 1	0	19/06/03	Maximum Glanding Areas
724620	1 of 1	0	23/06/03	Cruciform Earth Continuity Plate
724621	1 of 1	0	23/06/03	Single Earth Continuity Plate
724639	1 of 2	0	11/07/03	Terminal Selection Guide – (Weidmuller)
724639	2 of 2	0	11/07/03	Terminal Selection Guide – (Phoenix)
724648	1 of 1	0	11/07/03	General Assembly of Kestrel 'PKE' & 'POK' Box



1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

**2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: Baseefa03ATEX0491X/1

4 Equipment or Protective System: KESTREL 'PKE' & 'POK' POLYESTER JUNCTION BOXES

5 Manufacturer: COOPER CROUSE-HINDS (UK) LIMITED

6 Address: Dorset Road, Sheerness, Kent, ME12 1LP

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa03ATEX0491X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **4221**

Project File No. **04/0743**

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On behalf of
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13 **Schedule**

14 **Certificate Number Baseefa03ATEX00491X/1**

15 **Description of the variation to the Equipment or Protective System**

Variation 1.1

To allow the use of alternative terminals, Weidmuller type AKZ and AKE.

16 **Report Number**

None

17 **Special Conditions for Safe Use**

None

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
724639	1	1	04/10/04	Terminal Selection Guide ATEX (Weidmuller) PKE & POK



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa03ATEX0491X/2**

4 Equipment or Protective System: **KESTREL 'PKE' & 'POK' POLYESTER JUNCTION BOXES**

5 Manufacturer: **COOPER CROUSE-HINDS (UK) LIMITED**

6 Address: **Dorset Road, Sheerness, Kent, ME12 1LP**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa03ATEX0491X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **4221**

Project File No. **06/0218**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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On behalf of
Baseefa (2001) Ltd.



13 **Schedule**

14 **Certificate Number Baseefa03ATEX0491X/2**

15 **Description of the variation to the Equipment or Protective System**

Variation 2.1

To allow the use of a Type GHG 7901108R0001 Pillar Terminal manufactured by CEAG Sicherheitstechnik GmbH to PTB Certificate Number PTB 00 ATEX 3102U.

Variation 2.2

To allow the use of alternative stopping plugs.

16 **Report Number**

None

17 **Special Conditions for Safe Use**

1. Unused entries shall be fitted with stopping plugs as listed previously or with :

~ CAPRI-CODEC SA to certificate number LCIE98ATEX0001U

~ CEAG Sicherheitstechnik to certificate number PTB98ATEX3130

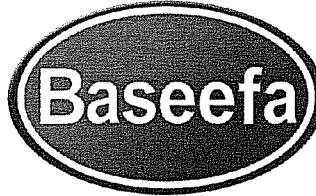
The ambient temperature range of the junction box shall be limited, where applicable, to that of the relevant stopping plug.

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
701596	0	17/05/06	Terminal selection guide ATEX (Cooper) PKE & POK
724648	1	23/05/06	General assembly Kestrel enclosures



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa03ATEX0491X/3**
- 4 Equipment or Protective System: **KESTREL 'PKE' & 'POK' Polyester Junction Boxes**
- 5 Manufacturer: **Cooper Crouse-Hinds (UK) Limited**
- 6 Address: **Dorset Road, Sheerness, Kent, ME12 1LP**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa03ATEX0491X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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Baseefa Customer Reference No. **4221**

Project File No. **08/0808**

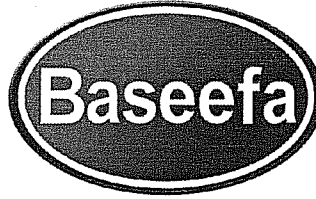
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Baseefa is a trading name of Baseefa Ltd
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A handwritten signature in black ink, appearing to read "R S Sinclair".

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number Baseefa03ATEX0491X/3

15 **Description of the variation to the Equipment or Protective System**

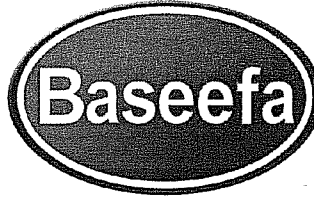
Variation 3.1

To include 5 additional sizes of enclosure within the range and additional sizes of permitted entries.

Variation 3.2

To revise the certificate with updated Maximum Dissipated Power Test data, as shown below.

<u>BOX TYPE</u>	DISSIPATED WATTAGE FACTOR T6 40degC	DISSIPATED WATTAGE FACTOR T6 55degC	DISSIPATED WATTAGE FACTOR T6 65degC
POK / PKE 080806	1.5	0.9	0.5
POK / PKE 081106	1.9	1.1	0.7
POK / PKE 081606	2.6	1.6	0.9
POK / PKE 081906	3.1	1.9	1.1
POK / PKE 121309	3.9	2.4	1.4
POK / PKE 122210	6.1	3.8	2.2
POK / PKE 161610	5.8	3.6	2.1
POK / PKE 162610	8.5	5.3	3.1
POK / PKE 163610	11.2	7	4.2
POK / PKE 165610	16.6	10.3	6.2
POK / PKE 121312	4.7	2.9	1.7
POK / PKE 161612	6.8	4.2	2.5
POK / PKE 252013	11.2	7	4.2
POK / PKE 252613	13.4	8.3	5
POK / PKE 254013	19.1	11.9	7.1
POK / PKE 256013	27.1	16.9	10.1
POK / PKE 414013	27.8	17.3	10.4
POK / PKE 252617	15.5	9.6	5.8
POK / PKE 254017	21.9	13.6	8.2
POK / PKE 256017	30.8	19.2	11.5
POK / PKE 414017	31.7	19.8	11.8



The range of terminals permitted to be fitted is amended in-line with the updated test data. The Terminal selection drawing listed on this certificate reflects this.

Variation 3.3

To include minor drawing changes.

Variation 3.4

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0:2006 and EN 60079-7:2007 in respect of the differences from EN 50014:1997 + Amendments 1&2 and EN 50019:2000 and found to comply.

As a result the marking is now:-

- ⊕ II 2 G Ex e II T6 $-55^{\circ}\text{C} \leq \text{Tamb} \leq + \text{ } ^{\circ}\text{C}$
- ⊕ II 2 G Ex e [ia] IIC T6 $-55^{\circ}\text{C} \leq \text{Tamb} \leq + \text{ } ^{\circ}\text{C}$
- ⊕ II 1 G Ex ia IIC T6 $-55^{\circ}\text{C} \leq \text{Tamb} \leq + \text{ } ^{\circ}\text{C}$

16 Report Number

08(C)0808

17 Special Conditions for Safe Use

In addition to those on earlier certificates.

1. The end user must ensure that a minimum ingress protection of IP54 is achieved at each entry to the enclosure by use of a suitable certified stopping plug or cable entry device.
2. The end user may only drill entry holes into the junction box faces in the permitted positions according to the certified Glanding drawing listed in this certificate.

The following conditions are amended from Baseefa03ATEX0491X and Baseefa03ATEX0491X/2.

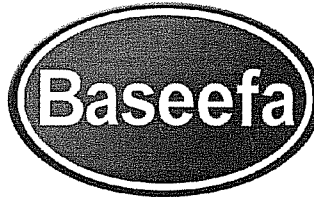
1. All unused cable entries shall be fitted with a suitable certified stopping plug rated IP54 as a minimum. The ambient temperature range of the junction box shall be limited, where applicable, to that of the relevant stopping plug.
8. The maximum current, voltage and dissipated power specified on the rating label must not be exceeded for the junction box. When there is more than one type of terminal fitted the maximum current and voltage given for each terminal must not be exceeded.

18 Essential Health and Safety Requirements

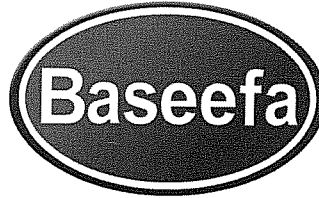
Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
701548	1 of 1	1	09/04/09	KESTREL Ranges Enclosures Engraving For ATEX Certification Labels
720842	1 of 1	4	23/06/03	Earth Stud Assembly For KESTREL Enclosures (Optional)
723668	1 of 2	2	19/06/03	(GRP) ATEX Apparatus Certification Labels (e)
723669	1 of 2	2	19/06/03	(GRP) ATEX Apparatus Certification Labels (ia)
723670	1 of 2	2	19/06/03	(GRP) ATEX Apparatus Certification Labels (e ia)



Number	Sheet	Issue	Date	Description
724639	1 of 1	3	18/03/09	Terminal Selection Guide ATEX (Weidmuller) KESTREL
724619	1 of 2	1	26/02/09	Maximum Glanding Areas For KESTREL Range Enclosures
724619	2 of 2	1	09/03/09	Glanding Information For KESTREL Range Enclosures (M40, M50 & M63 Entries)
724620	1 of 1	2	07/03/09	Cruciform Earth Continuity Plates For KESTREL Enclosures
724621	1 of 1	2	09/03/09	Single Earth Continuity Plates For KESTREL Enclosures
724648	1 of 1	1	11/02/09	General Assembly KESTREL Enclosures
728879	1 of 1	0	16/04/09	Int. Label For Use On Terminal Boxes with Mixed Terminals



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa03ATEX0491X/4**
- 4 Equipment or Protective System: **KESTREL 'PKE' & 'POK' Polyester Junction Boxes**
- 5 Manufacturer: **Cooper Crouse-Hinds (UK) Limited**
- 6 Address: **Dorset Road, Sheerness, Kent, ME12 1LP**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa03ATEX0491X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **4221**

Project File No. **10/0638**

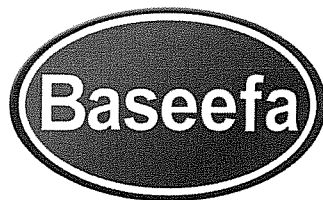
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Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.

A handwritten signature in black ink, appearing to read "R S Sinclair".

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number Baseefa03ATEX0491X/4

15 **Description of the variation to the Equipment or Protective System**

Variation 4.1

To include the use of the Phoenix series UT range of terminals with the junction boxes.

16 **Report Number**

None

17 **Special Conditions for Safe Use**

None additionally to those listed previously.

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
749993	1 of 1	0	21/09/10	Terminal Selection Guide ATEX (Phoenix) Kestrel

1. TYPE: PKE OR POK

THE ENGLISH VERSION IS BINDING

2. SERIAL No. AS APPROPRIATE (INCORPORATING YEAR OF CONSTRUCTION)

3. T-CLASS: T6

4. T-amb: REFER TO TABLE BELOW

5. ATEX CERT. No : Baseefa 03 ATEX 0491X

6. MAX. DISSIPATED POWER: REFER TO TABLE BELOW

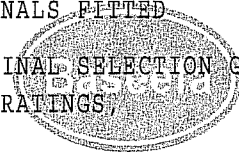
7. VOLTAGE: LOWEST & HIGHEST MAXIMUM VOLTAGE OF TERMINALS FITTED

8. CURRENT: MAXIMUM AMPS OF TERMINALS FITTED FROM TERMINAL SELECTION GUIDE
IF MIXED TERMINALS ARE USED WITH DIFFERENT CURRENT RATINGS,
THE 'MAX CURRENT' MUST BE MARKED WITH A "-"

CERTIFIED PRODUCT

NO MODIFICATION PERMITTED
WITHOUT REFERENCE TO THE
CERTIFYING AUTHORITY

Baseefa
Certification
Schedule
Drawing



REFER TO DRAWINGS 723668, 723669 & 723670

baseefa 03 ATEX 0491X/3

MAXIMUM DISSIPATED POWER & AMBIENT TEMPERATURE RATINGS TABLE

ENCLOSURE TYPE	MAXIMUM DISSIPATED POWER (W)			RISE T ₆ 40 deg C Wattage / 40 KELVIN
	T _{amb} = 40°C	T _{amb} = 55°C	T _{amb} = 65°C	
1 PKE/POK 080806	1.5	0.9	0.5	0.0375
2 PKE/POK 081106	1.9	1.1	0.7	0.0475
3 PKE/POK 081606	2.6	1.6	0.9	0.065
4 PKE/POK 081906	3.1	1.9	1.1	0.0775
5 PKE/POK 121309	3.9	2.4	1.4	0.0975
6 PKE/POK 122210	6.1	3.8	2.2	0.1525
7 PKE/POK 161610	5.8	3.6	2.1	0.145
8 PKE/POK 162610	8.5	5.3	3.1	0.2125
9 PKE/POK 163610	11.2	7.0	4.2	0.28
10 PKE/POK 165610	16.6	10.3	6.2	0.415
11 PKE/POK 121312	4.7	2.9	1.7	0.1175
12 PKE/POK 161612	6.8	4.2	2.5	0.17
13 PKE/POK 252013	11.2	7.0	4.2	0.28
13 PKE/POK 252613	13.4	8.3	5.0	0.335
14 PKE/POK 254013	19.1	11.9	7.1	0.4775
15 PKE/POK 256013	27.1	16.9	10.1	0.6775
16 PKE/POK 414013	27.8	17.3	10.4	0.695
17 PKE/POK 252617	15.5	9.6	5.8	0.3875
18 PKE/POK 254017	21.9	13.6	8.2	0.5475
19 PKE/POK 256017	30.8	19.2	11.5	0.77
20 PKE/POK 414017	31.7	19.8	11.8	0.7925

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

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② .		TOLERANCES TO ISO 8015	
① . SEE D.I.C.C. No.2722 09/04/09	A.J.		701548 ①
① . SEE D.I.C.C. No.2722	T.J.S.		DRAWING NO. ISSUE NO.
MODIFICATIONS	CHECKED	SHEET: 1	OF 1 SHEETS
	DATE	NAME	TITLE
RESPONSIBLE	.	.	KESTREL RANGE ENCLOSURES
SCALE: .	DRAWN 17/06/03	A.J.	ENGRAVING FOR ATEX CERTIFICATION
SUPERSEDES: .	CHECKED 19/06/03	T.J.S.	LABELS
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED		PRODUCT FILE: UK Ex	

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

TYPE I & II

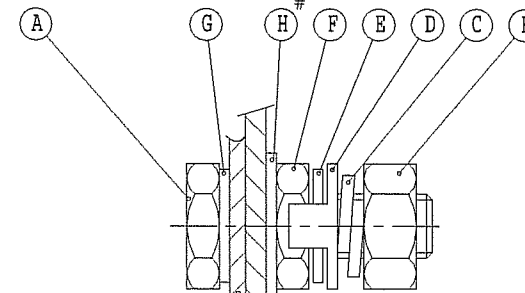
THE ENGLISH VERSION IS BINDING

M4 ASSEMBLY TYPE I

DETAIL	DESCRIPTION	MATERIAL	QUANTITY
A	BOLT M4	STAINLESS STEEL OR BRASS	2
B	FULL NUT M4	STAINLESS STEEL OR BRASS	1
C	SPRING WASHER M4	STAINLESS STEEL	1
D	SADDLE WASHER M4	STAINLESS STEEL OR BRASS	1
E	WASHER M4	STAINLESS STEEL OR BRASS	1
F	LOCKNUT M4	STAINLESS STEEL OR BRASS	1
G	STAR WASHER M4	STAINLESS STEEL	1
H	SEALING WASHER M4	NYLON	1

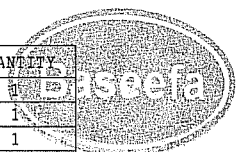
MAXIMUM CONDUCTOR SIZES

STUD SIZE	CONDUCTOR SIZE
M4	4mm ²
M6	25mm ²
M10	70mm ²



M6 ASSEMBLY TYPE II

DETAIL	DESCRIPTION	MATERIAL	QUANTITY
A	BOLT M6	STAINLESS STEEL OR BRASS	2
B	FULL NUT M6	STAINLESS STEEL OR BRASS	1
C	SPRING WASHER M6	STAINLESS STEEL	1
D	SADDLE WASHER M6	STAINLESS STEEL OR BRASS	1
E	WASHER M6	STAINLESS STEEL OR BRASS	1
F	LOCKNUT M6	STAINLESS STEEL OR BRASS	1
G	STAR WASHER M6	STAINLESS STEEL	1
H	SEALING WASHER M6	NYLON	1



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EARTH CONTINUITY PLATE (OPTIONAL)

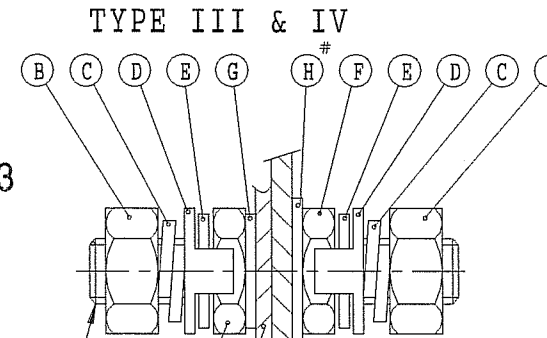
GRP ENCLOSURE WALL

baseefa 03 ATEX0 4 9 1 X / 3

M6 ASSEMBLY TYPE III

DETAIL	DESCRIPTION	MATERIAL	QUANTITY
A	EARTHSTUD M6	STAINLESS STEEL OR BRASS	1
B	FULL NUT M6	STAINLESS STEEL OR BRASS	2
C	SPRING WASHER M6	STAINLESS STEEL	2
D	SADDLE WASHER M6	STAINLESS STEEL OR BRASS	2
E	WASHER M6	STAINLESS STEEL OR BRASS	2
F	LOCKNUT M6	STAINLESS STEEL OR BRASS	2
G	STAR WASHER M6	STAINLESS STEEL	1
H	SEALING WASHER M6	NYLON	1

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CERTIFYING AUTHORITY



GRP ENCLOSURE WALL

EARTH CONTINUITY PLATE (OPTIONAL)

M10 ASSEMBLY TYPE IV

DETAIL	DESCRIPTION	MATERIAL	QUANTITY
A	EARTHSTUD M10	STAINLESS STEEL OR BRASS	1
B	FULL NUT M10	STAINLESS STEEL OR BRASS	2
C	SPRING WASHER M10	STAINLESS STEEL	2
D	SADDLE WASHER M10	STAINLESS STEEL OR BRASS	2
E	WASHER M10	STAINLESS STEEL OR BRASS	2
F	LOCKNUT M10	STAINLESS STEEL OR BRASS	2
G	STAR WASHER M10	STAINLESS STEEL	1
H	SEALING WASHER M10	NYLON	1

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② SEE DICC No. 474	10/11/98		TOLERANCES TO ISO 8015
④ SEE DICC No. 474	23/06/03	P.A.H	
③ SEE DICC No. 474	18/05/00	P.A.H	

MODIFICATIONS

RESPONSIBLE	DATE	NAME	TITLE
DRAN	12/6/97	D.G.W	EARTH STUD ASSEMBLY FOR KESTREL ENCLOSURES (OPTIONAL)
CHECKED	19/5/00	P.A.H	

SCALE: NTS
SUPERCEDES:

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED

PRODUCT FILE: UK Ex

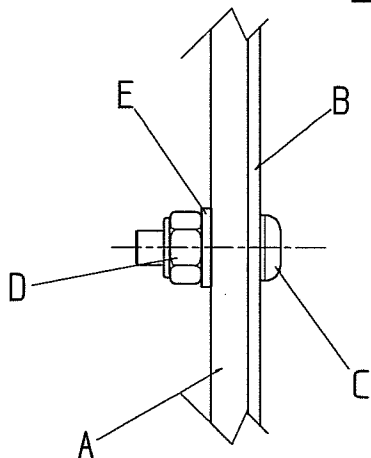
720842 (4)
DRAWING NO. ISSUE No.
REBET: 1 OF 1 REBET

COOPER Crouse-Hinds

NOTES

1. LABEL TO BE SECURED BY FASTENERS THAT MAINTAIN A MINIMUM DEGREE OF PROTECTION OF IP54 (GAS) TO OUTSIDE OF ENCLOSURE. REFER TO FIXING METHOD BELOW.
2. MATERIAL: 0.9mm MINIMUM STAINLESS STEEL OR SELF-ADHESIVE ALUMINIUM FOIL.
3. REFER TO DRAWING 701548 FOR ENGRAVING DETAILS
4. POK (GREY) ENCLOSURES REQUIRE ADDITIONAL WARNING LABEL :
CAUTION - CLEAN ONLY WITH A DAMP CLOTH

FIXING METHOD



ITEM	DESCRIPTION
A	ENCLOSURE LID
B	LABEL
C	STAINLESS STEEL BUTTON HEAD SCREW (M3 x 10.0mm)
D	STAINLESS STEEL SELF LOCKING 'NYLOC' HEXAGON HEAD NUT (M3)
E	STAINLESS STEEL FLAT WASHER (M3)

COOPER Crouse-Hinds **CE**

TYPE _____ 1180

S. No. _____

11 2 G Ex e II T6
-55°C ≤ Tamb ≤ + _____ °C

Baseefa03ATEX0491X

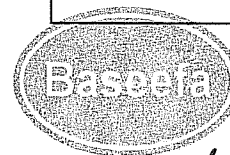
○ MAX. DISSIPATED POWER _____ W ○

MAX. VOLTAGE _____ V

MAX. CURRENT _____ A

COOPER CROUSE-HINDS(UK)LTD,
SHEERNESS, KENT, ME12 1LP, ENGLAND

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2 .SEE D.I.C.C. No.2710	H.R.	TOLERANCES TO ISO 8015	
1 .SEE D.I.C.C. No.2710	G.C.		
0 .SEE D.I.C.C. No.2710	T.J.S.		
MODIFICATIONS	CHECKED	COOPER Crouse-Hinds	
	DATE	NAME	TITLE
RESPONSIBLE			(GRP) ATEX APPARATUS CERTIFICATION LABEL (e)
SCALE: .	DRAWN	17/06/03	A.J.
SUPERSEDES: .	CHECKED	19/06/03	T.J.S.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED			PRODUCT FILE: _____

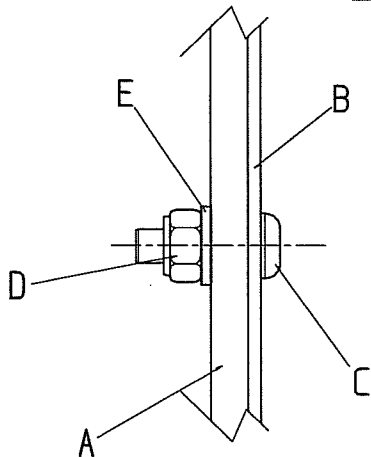
UK **EX**

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

NOTES

1. LABEL TO BE SECURED BY FASTENERS THAT MAINTAIN A MINIMUM DEGREE OF PROTECTION OF IP54 (GAS) TO OUTSIDE OF ENCLOSURE. REFER TO FIXING METHOD BELOW.
2. MATERIAL: 0.9mm MINIMUM STAINLESS STEEL OR SELF-ADHESIVE ALUMINIUM FOIL.
3. REFER TO DRAWING 701548 FOR ENGRAVING DETAILS
4. POK (GREY) ENCLOSURES REQUIRE ADDITIONAL WARNING LABEL :
CAUTION - CLEAN ONLY WITH A DAMP CLOTH.

FIXING METHOD



ITEM	DESCRIPTION
A	ENCLOSURE LID
B	LABEL
C	STAINLESS STEEL BUTTON HEAD SCREW (M3 x 10.0mm)
D	STAINLESS STEEL SELF LOCKING 'NYLOC' HEXAGON HEAD NUT (M3)
E	STAINLESS STEEL FLAT WASHER (M3)

COOPER Crouse-Hinds **CE**

TYPE _____ 1180

S. No. _____

II 1 G Ex ia IIC T6
-55°C ≤ Tamb ≤ + ____ °C

Baseefa03ATEX0491X

○ MAX. DISSIPATED POWER ____ W ○

MAX. VOLTAGE _____ V

MAX. CURRENT _____ A

COOPER CROUSE-HINDS(UK)LTD,
SHEERNESS, KENT, ME12 1LP, ENGLAND

**THIS ENCLOSURE CONTAINS
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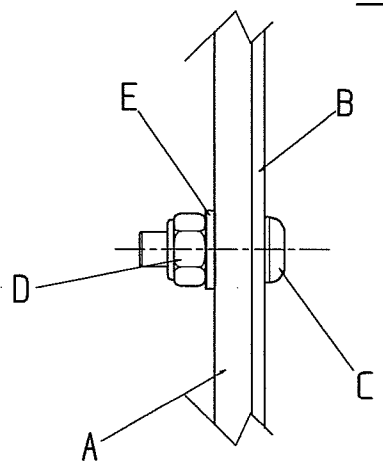
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② .SEE D.I.C.C. No.2711	M.R.	TOLERANCES TO ISO 8015	
① .SEE D.I.C.C. No.2711	G.C.	.723669 ②	
① .SEE D.I.C.C. No.2711	T.J.S.		
MODIFICATIONS		CHECKED	DRAWING NO. SHEET: 1 OF 2 SHEETS
	RESPONSIBLE	DATE	NAME
SCALE: .	DRAWN	17/06/03	A.J.
SUPERSEDES: .	CHECKED	19/06/03	T.J.S.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED		PRODUCT FILE: _____ UK	

PROTECTION REMARK TO DIN 34. MUST BE OBSERVED

NOTES

1. LABEL TO BE SECURED BY FASTENERS THAT MAINTAIN A MINIMUM DEGREE OF PROTECTION OF IP54 (GAS) TO OUTSIDE OF ENCLOSURE. REFER TO FIXING METHOD BELOW.
2. MATERIAL: 0.9mm MINIMUM STAINLESS STEEL OR SELF-ADHESIVE ALUMINIUM FOIL.
3. REFER TO DRAWING 701548 FOR ENGRAVING DETAILS
4. POK (GREY) ENCLOSURES REQUIRE ADDITIONAL WARNING LABEL :
CAUTION - CLEAN ONLY WITH A DAMP CLOTH.

FIXING METHOD



ITEM	DESCRIPTION
A	ENCLOSURE LID
B	LABEL
C	STAINLESS STEEL BUTTON HEAD SCREW (M3 x 10.0mm)
D	STAINLESS STEEL SELF LOCKING 'NYLOC' HEXAGON HEAD NUT (M3)
E	STAINLESS STEEL FLAT WASHER (M3)

COOPER Crouse-Hinds **CE**

TYPE _____ 1180

S. No. _____

Ex II 2 G Ex e [ia] IIC T6
-55°C ≤ Tamb ≤ + ____ °C

Baseefa03ATEX0491X

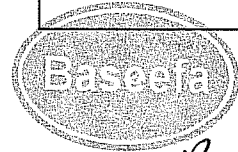
MAX. DISSIPATED POWER _____ W

MAX. VOLTAGE _____ V

MAX. CURRENT _____ A

COOPER CROUSE-HINDS(UK)LTD,
SHEERNESS, KENT, ME12 1LP, ENGLAND

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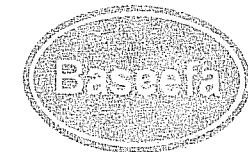
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② .SEE D.I.C.C. No.2712	M.R.	TOLERANCES TO ISO 8015	
① .SEE D.I.C.C. No.2712	G.C.	.723670 ②	
① .SEE D.I.C.C. No.2712	T.J.S.		
MODIFICATIONS		CHECKED	DRAWING NO. SHEET: 1 OF 2 SHEETS
	DATE	NAME	TITLE (GRP) ATEX APPARATUS CERTIFICATION LABEL(e[ia])
RESPONSIBLE			
SCALE: .	DRAWN	17/06/03	A.J.
SUPERSEDES: .	CHECKED	19/06/03	T.J.S.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED			PRODUCT FILE: _____ UK Ex

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

DESCRIPTION	CERTIFICATE No.	MATERIAL	CODE	V	A	mm ²
AKZ 4	SIRA02ATEX3001U & IECEX SIR05.00384	POLYAMIDE	⊕ 11 2 GD Ex e 11	275	19.6	4
AKE 2.5		OR	⊕ 11 2 GD Ex e 11	-	-	2.5
AKE 4		MELAMINE	⊕ 11 2 GD Ex e 11	-	-	4
BK 12/E	SIRA01ATEX3247U & IECEXSIR05.0035U	MELAMINE	⊕ 11 2 GD Ex e 11	275	19.6	4
BK 3/E		MELAMINE	⊕ 11 2 GD Ex e 11	275	19.6	4
BK 4/E		MELAMINE	⊕ 11 2 GD Ex e 11	275	19.6	4
BK 6/E		MELAMINE	⊕ 11 2 GD Ex e 11	275	19.6	4
EK 10/E	KEMA97ATEX1798U & IECEXKEM06.0014U	POLYAMIDE	⊕ 11 2 GD Ex e 11	-	-	10
EK4/E		POLYAMIDE	⊕ 11 2 GD Ex e 11	-	-	4
EK 2.5/E		MELAMINE	⊕ 11 2 GD Ex e 11	-	-	2.5
SAK 10/E		POLYAMIDE	⊕ 11 2 GD Ex e 11	550	35	10
SAK 16/E		POLYAMIDE	⊕ 11 2 GD Ex e 11	750	46.2	16
SAK 2.5/E		POLYAMIDE	⊕ 11 2 GD Ex e 11	550	14.7	2.5
SAK 2.5/E BL		POLYAMIDE	⊕ 11 2 GD Ex e 11	550	14.7	2.5
SAK 35/E		POLYAMIDE	⊕ 11 2 GD Ex e 11	550	76.3	35
SAK 4/E		POLYAMIDE	⊕ 11 2 GD Ex e 11	550	19.6	4
SAK 4/E BL		POLYAMIDE	⊕ 11 2 GD Ex e 11	550	19.6	4
SAK 6N/E		POLYAMIDE	⊕ 11 2 GD Ex e 11	550	25.2	6
SAK 10/E		MELAMINE	⊕ 11 2 GD Ex e 11	550	35	10
SAK 16/E		MELAMINE	⊕ 11 2 GD Ex e 11	750	46.2	16
SAK 2.5/E		MELAMINE	⊕ 11 2 GD Ex e 11	550	14.7	2.5
SAK 2.5/E BL		MELAMINE	⊕ 11 2 GD Ex e 11	550	14.7	2.5
SAK 35/E		MELAMINE	⊕ 11 2 GD Ex e 11	550	76.3	35
SAK 4/E	MELAMINE	⊕ 11 2 GD Ex e 11	550	28	4	
SAK 4/E BL	MELAMINE	⊕ 11 2 GD Ex e 11	550	28	4	
SAK 6N/E	MELAMINE	⊕ 11 2 GD Ex e 11	550	25.2	6	
MK 6/6/E	SIRA01ATEX3248U IECEXSIR05.0037U	MELAMINE	⊕ 11 2 GD Ex e 11	440	25.2	6

DESCRIPTION	CERTIFICATE No.	MATERIAL	CODE	V	A	mm ²
WDU 2.5/E	KEMA98ATEX1683U & IECEXULD05.0008U	WEMID	⊕ 11 2 GD Ex e 11	550	14.0	2.5
WDU 2.5/E BL		WEMID	⊕ 11 2 GD Ex e 11	550	14.0	2.5
WDU 2.5N/E		WEMID	⊕ 11 2 GD Ex e 11	440	14.0	2.5
WDU 2.5N/E BL		WEMID	⊕ 11 2 GD Ex e 11	440	14.0	2.5
WDU 35/E		WEMID	⊕ 11 2 GD Ex e 11	690	76.3	35
WDU 4/E		WEMID	⊕ 11 2 GD Ex e 11	690	19.6	4
WDU 4/E BL		WEMID	⊕ 11 2 GD Ex e 11	690	19.6	4
WDU 6/E		WEMID	⊕ 11 2 GD Ex e 11	550	25.2	6
WDU 70N/E		WEMID	⊕ 11 2 GD Ex e 11	690	116.9	70
WPE 10/E		WEMID	⊕ 11 2 GD Ex e 11	-	-	10
WPE 2.5/E		WEMID	⊕ 11 2 GD Ex e 11	-	-	2.5
WPE 35/E		WEMID	⊕ 11 2 GD Ex e 11	-	-	35
WPE 4N PE/E		TUV04ATEX2630U	WEMID	⊕ 11 2 GD Ex e 11	-	-



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② .SEE D.I.C.C. No.3677 09/12/04	T.J.S.	TOLERANCES TO ISO 8015	
① .SEE D.I.C.C. No.3677 04/10/04	A.J.		
③ .SEE D.I.C.C. No.3677 18/03/09	A.J.		
MODIFICATIONS		CHECKED	.724639 ③ DRAWING NO. ISSUE NO.
RESPONSIBLE	DATE	NAME	TITLE
			TERMINAL SELECTION GUIDE
SCALE: .	DRAWN	11/07/03	T.J.S.
SUPERSEDES: .	CHECKED	14/07/03	A.J.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED			PRODUCT FILE: KESTREL

UK Ex

ENCLOSURE TYPE	EXTERNAL DIMENSIONS (mm)	MAXIMUM GLANDING AREA (mm)		
		SHORT SIDE C & D	LONG SIDE A & B	REAR FACE
1 PKE/POK 080806	75 x 80 x 55	27 x 26	48 x 32	50 x 65
2 PKE/POK 081106	75 x 110 x 55	27 x 26	78 x 32	80 x 65
3 PKE/POK 081606	75 x 160 x 55	27 x 26	128 x 32	130 x 65
4 PKE/POK 081906	75 x 190 x 55	27 x 27	160 x 32	160 x 65
5 PKE/POK 121309	120 x 122 x 90	58 x 50	83 x 57	82 x 110
6 PKE/POK 122210	120 x 220 x 90	58 x 50	180 x 57	180 x 110
7 PKE/POK 161610	160 x 160 x 90	82 x 50	112 x 54	117 x 147
8 PKE/POK 162610	160 x 260 x 90	82 x 55	212 x 62	220 x 147
9 PKE/POK 163610	160 x 360 x 90	82 x 55	312 x 62	320 x 147
10 PKE/POK 165610	160 x 560 x 90	81 x 55	2x(240 x 60)	520 x 147
11 PKE/POK 121312	120 x 122 x 120	58 x 50	83 x 57	82 x 110
12 PKE/POK 161612	160 x 160 x 120	82 x 50	112 x 54	117 x 147
13 PKE/POK 252613	250 x 255 x 120	172 x 80	207 x 85	214 x 237
14 PKE/POK 254013	250 x 400 x 120	172 x 80	352 x 85	359 x 237
15 PKE/POK 256013	250 x 600 x 120	172 x 80	2x(260 x 85)	558 x 236
16 PKE/POK 414013	405 x 400 x 120	327 x 80	352 x 85	360 x 393
17 PKE/POK 252617	250 x 255 x 160	172 x 80	207 x 85	214 x 237
18 PKE/POK 254017	250 x 400 x 160	172 x 80	352 x 85	359 x 237
19 PKE/POK 256017	250 x 600 x 160	172 x 80	2x(260 x 85)	558 x 236
20 PKE/POK 414017	405 x 400 x 165	327 x 124	352 x 129	360 x 393

TABLE 2 MINIMUM CENTRES FOR PG ENTRIES

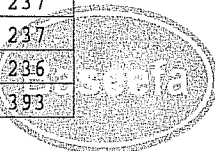
GLAND SIZE	PG7	PG9	PG11	PG13	PG16	PG21	PG29	PG36	PG42	PG48
PG7	17.0	19.0	21.0	22.0	23.5	27.5	32.5	38.5	43.0	46.0
PG9	18.0	20.0	22.0	23.0	24.5	28.5	33.5	39.5	44.0	47.0
PG11	19.0	21.0	23.0	24.0	25.5	29.5	34.5	40.5	45.0	48.0
PG13	20.0	22.0	24.0	25.0	26.5	30.5	35.5	41.5	46.0	49.0
PG16	21.0	23.0	25.0	26.0	27.5	31.5	36.5	42.5	47.0	50.0
PG21	22.0	24.0	26.0	27.0	28.5	32.5	37.5	43.5	48.0	51.0
PG29	23.0	25.0	27.0	28.0	29.5	33.5	38.5	44.5	49.0	52.0
PG36	24.0	26.0	28.0	29.0	30.5	34.5	39.5	45.5	50.0	53.0
PG42	25.0	27.0	29.0	30.0	31.5	35.5	40.5	46.5	51.0	54.0
PG48	26.0	28.0	30.0	31.0	32.5	36.5	41.5	47.5	52.0	55.0

TABLE 3 MINIMUM CENTRES FOR METRIC ENTRIES

GLAND SIZE	M16	M20	M25	M32	M40	M50	M63
M16	22.0	28.5	32.0	38.0	43.0	49.0	57.5
M20	28.5	35.0	38.5	44.5	49.5	55.5	64.0
M25	32.0	38.5	42.0	48.0	53.0	59.0	67.5
M32	38.0	44.5	48.0	54.0	59.0	65.0	73.5
M40	43.0	49.5	53.0	59.0	64.0	70.0	78.5
M50	49.0	55.5	59.0	65.0	70.0	75.0	84.0
M63	57.5	64.0	67.5	73.5	78.5	84.5	93.0

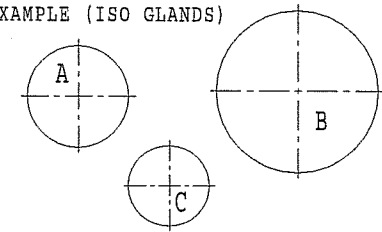
CABLE GLAND INFORMATION
MINIMUM CENTRES BETWEEN GLANDS

CABLE GLAND SIZE	MINIMUM DIMENSION BETWEEN CENTRES
GLAND A = M20	A - B = 44.5
GLAND B = M32	B - C = 38
GLAND C = M16	C - A = 28.5



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EXAMPLE (ISO GLANDS)



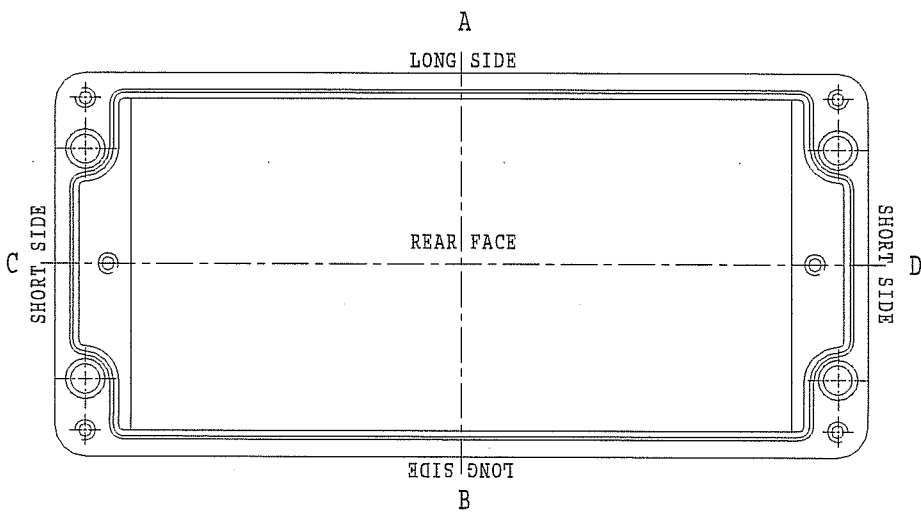
NOTE : HOLES MAY BE METRIC OR EQUIVALENT PARALLEL THREAD OR AN EQUIVALENT PLAIN HOLE.

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② .	TOLERANCES TO ISO 8015		
① .SEE D.I.C.C. No.3652 26/02/09	A.J.		
③ .SEE D.I.C.C. No.3652 19/06/03	P.A.H.		
MODIFICATIONS	CHECKED	COOPER Crouse-Hinds	724619 ①
	DATE	NAME	ISSUES NO. OF 2 SHEETS
	RESPONSIBLE	TITLE	MAXIMUM GLANDING AREAS FOR KESTREL RANGE ENCLOSURES
SCALE: .	DRAWN	19/06/03	T.J.S.
SUPERSEDES: .	CHECKED	23/06/03	P.A.H.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED			PRODUCT FILE: UK Ex

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED



PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

THE ENGLISH VERSION IS BINDING

ENCLOSURE TYPE	ENTRY SIZE	FACE	OPTION	MAX ENTRIES PER FACE	POSITION ON LINE 'X' (mm)				
					-B	-A	C	+A	+B
PKE/POK 252613 252617	M40	A+B	-	3		-70	0	+70	
		C+D	-	2		-45	(0)	+45	
	M50	A+B	-	1			0		
		C+D	-	1			0		
PKE/POK 254013 254017	M40	A+B	-	5	-140	-70	0	+70	+140
		C+D	-	2		-45	(0)	+45	
	M50	A+B	-	1			0		
		C+D	-	1			0		
PKE/POK 414013	M40	A+B	-	5	-140	-70	0	+70	+140
			1	5	-140	-70	0	+70	+140
		C+D	2	4	-105	-35	(0)	+35	+105
			1	1			0		
		M50	A+B	1	1			0	
				2	2		-125	(0)	+125
	C+D	A+B	3	2			0	+125	
			4	2		-125	0		
	M63	A+B	1	3		-110	0	+110	
			2	2		-110	0		
		C+D	A+B	3	2			0	+110
				4	1			0	
M50		C+D	1	3		-105	0	+105	
			2	2		-105	0		
M63	C+D	3	2			0	+105		
		4	1			0			

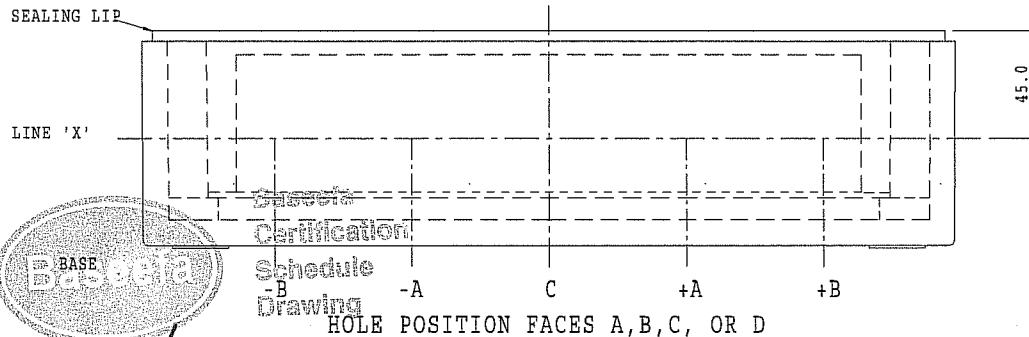
TABLE:2 MINIMUM CENTRES FOR PG ENTRIES

GLAND SIZE	PG7	PG9	PG11	PG13.5	PG16	PG21	PG29	PG36	PG42	PG48
PG7	17.0	19.0	21.0	22.0	23.5	27.5	32.5	38.5	43.0	46.0
PG9	19.0	21.0	23.0	24.0	25.5	29.5	34.5	40.5	45.0	48.0
PG11	21.0	23.0	25.0	26.0	27.5	31.5	36.5	42.5	47.0	50.0
PG13.5	22.0	24.0	26.0	27.0	28.5	32.5	37.5	43.5	48.0	51.0
PG16	23.5	25.5	27.5	28.5	30.0	34.0	39.0	45.0	49.5	52.5
PG21	27.5	29.5	31.5	32.5	34.0	38.0	43.0	49.0	53.5	56.5
PG29	32.5	34.5	36.5	37.5	39.0	43.0	48.0	54.0	58.5	61.5
PG36	38.5	40.5	42.5	43.5	45.0	49.0	54.0	60.0	64.5	67.5
PG42	43.0	45.0	47.0	48.0	49.5	53.5	58.5	64.5	69.0	72.0
PG48	46.0	48.0	50.0	51.0	52.5	55.5	61.5	67.5	72.0	75.0

TABLE:3 MINIMUM CENTRES FOR METRIC ENTRIES

GLAND SIZE	M16	M20	M25	M32	M40	M50	M63
M16	22.0	28.5	32.0	38.0	43.0	49.0	57.5
M20	28.5	35.0	38.5	44.5	49.5	55.5	64.0
M25	32.0	38.5	42.0	48.0	53.0	59.0	67.5
M32	38.0	44.5	48.0	54.0	59.0	65.0	73.5
M40	43.0	49.5	53.0	59.0	64.0	70.0	78.5
M50	49.0	55.5	59.0	65.0	70.0	75.0	84.5
M63	57.5	64.0	67.5	73.5	78.5	84.5	93.0

- NOTES :
1. THERE IS NO ENTRY WHERE A ZERO IS PLACED IN BRACKETS (REFER TO TABLE).
 2. ENTRIES CAN BE SUBSTITUTED FOR OTHER TYPES OF THE SAME OR SMALLER DIAMETERS.
 3. ENTRY SIZES CAN BE INCREASED BY UP TO 1mm FOR CLEARANCE HOLES.
 4. HOLES MAY BE METRIC OR EQUIVALENT PARALLEL THREAD OR AN EQUIVALENT PLAIN HOLE.
 5. REFER TO SHEET 1 FOR ENTRY SIZES ≤ M32.

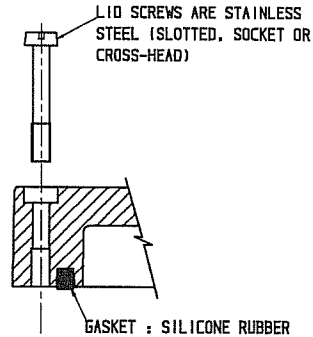
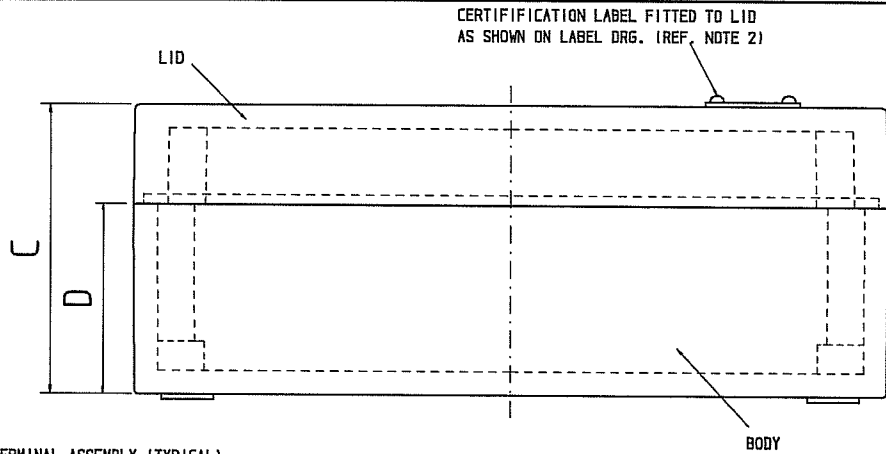


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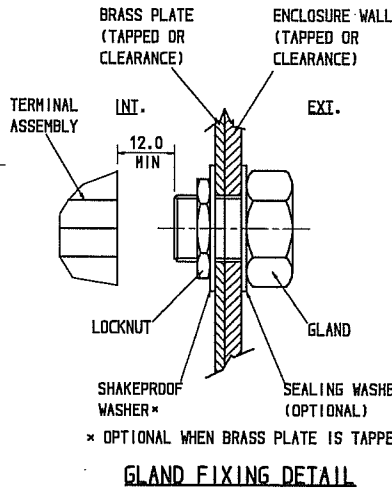
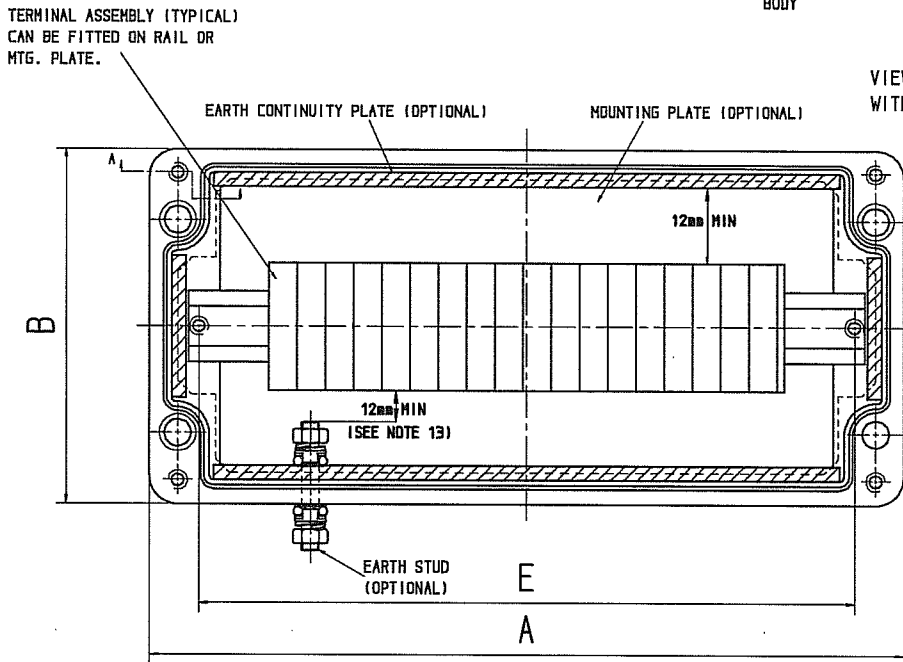
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TOLERANCES TO ISO 8015		.724619 (1)	
(1) .SEE D.I.C.C. No.3652 09/03/09	A.J.	DRAWING NO. SHEET: 2 OF 2 SHEETS	
(2) .SEE D.I.C.C. No.3652 28/10/03	A.J.	ISSUE NO.	
MODIFICATIONS	CHECKED	COOPER Crouse-Hinds	
RESPONSIBLE	DATE	NAME	TITLE
DRAWN	28/10/03	P.A.H.	GLANDING INFORMATION FOR KESTREL RANGE ENCLOSURES (M40, M50 & M63 ENTRIES)
CHECKED	04/11/03	A.J.	
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED			PRODUCT FILE: UK Ex

PROTECTION REMARK TO DIN 34, MUST BE OBSERVED



SECTION 'A - A'
SCRAP VIEW OF LID SHOWING GASKET & FIXING SCREW (QUANTITY AS REQUIRED).

VIEW OF BOX WITH LID REMOVED



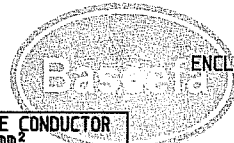
THE ENGLISH VERSION IS BINDING

ENCLOSURE TYPE	A	B	C	D	E
1 PKE/POK 080806	80	75	55	40	59
2 PKE/POK 081106	110	75	55	40	89
3 PKE/POK 081606	160	75	55	40	139
4 PKE/POK 081906	190	75	55	40	169
5 PKE/POK 121309	122	120	90	65	95
6 PKE/POK 122210	220	120	90	65	193
7 PKE/POK 161610	160	160	90	70	132
8 PKE/POK 162610	260	160	90	70	233
9 PKE/POK 163610	360	160	90	70	333
10 PKE/POK 165610	560	160	90	70	534
11 PKE/POK 121312	122	120	120	65	95
12 PKE/POK 161612	160	160	120	70	132
13 PKE/POK 252613	255	250	120	95	227
14 PKE/POK 254013	400	250	120	95	372
15 PKE/POK 256013	600	250	120	95	570
16 PKE/POK 414013	400	405	120	95	373
17 PKE/POK 252617	255	250	160	95	227
18 PKE/POK 254017	400	250	160	135	373
19 PKE/POK 256017	600	250	160	135	570
20 PKE/POK 414017	400	405	165	140	374

- NOTES:
- TERMINAL BOX CERTIFICATE No: Baseefa03ATEX0491X
EMPTY ENCLOSURE CERTIFICATE No: PTB03ATEX1120U (INCLUDING OPTIONAL WINDOW IN LID)
 - CERTIFICATION LABEL DRAWINGS 723668 (a), 723669 (ia) & 723670 (e)(ia), ENGRAVING DETAIL DRAWING 701548
 - REFER TO DRAWING 724639 FOR LIST OF PERMITTED TERMINALS
 - TERMINALS TO BE FITTED ONLY BY PERSONNEL AUTHORISED BY COOPER-CROUSE HINDS LTD
 - REFER TO DRAWING 722842 FOR OPTIONAL INTERNAL/EXTERNAL EARTH STUD ASSEMBLY
 - THIS TERMINAL BOX MUST CONTAIN AN INTERNAL EARTHING FACILITY (UNLESS IT COMPLIES WITH THE REQUIREMENTS OF EN 60079-0: CLAUSE 15.31)
 - MINIMUM PROTECTIVE CONDUCTOR SIZES MUST COMPLY WITH EN 60079-0 CLAUSE 15.4 (REFER TO TABLE 1)
 - REFER TO DRAWINGS 724620 & 724621 FOR OPTIONAL EARTH CONTINUITY PLATES
 - METAL CABLE GLANDS MUST BE EITHER SCREWED INTO A TAPPED HOLE & SECURED WITH A METAL LOCKOUT OR FITTED WITH A SHAKEPROOF WASHER & SECURED WITH A METAL LOCKOUT WHEN INSERTED THROUGH A CLEARANCE HOLE. REFER TO GLAND FIXING DETAIL SCRAP VIEW
 - GLANDS & STOPPING PLUGS MUST BE APPROPRIATELY ATEX CERTIFIED AND SUITABLE FOR APPLICATION
 - REFER TO DRAWING 724619 FOR PERMITTED GLANDING AREAS & MINIMUM HOLE SPACINGS. HOLES CAN BE TAPPED OR CLEARANCE
 - INTRINSICALLY SAFE & NON - INTRINSICALLY SAFE TERMINALS MUST BE SEPARATED BY AT LEAST 50mm BY SPACING OR BY THE USE OF A SUITABLE PARTITION (AS REQUIRED BY EN 60079-11)
 - CREEPAGE & CLEARANCE DISTANCES MUST COMPLY WITH EN 60079-7.

TABLE 1
MINIMUM PROTECTIVE CONDUCTOR SIZES

PHASE CONDUCTOR mm ²	PROTECTIVE CONDUCTOR mm ²
UP TO 16 mm ²	SAME AS PHASE CONDUCTOR
16 TO 35 mm ²	16 mm ²
35 mm ²	HALF OF PHASE CONDUCTOR



ENCLOSURE MATERIAL: GLASS REINFORCED POLYESTER

03 ATEX0 4 9 1 X / 3

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② . TOLERANCES TO ISO 8015

① .SEE D.I.C.C. No.3683 11/02/09 H.R.

② .SEE D.I.C.C. No.3683 11/07/03 A.J.

COOPER Crouse-Hinds

DRAWING NO. .724648 ISSUE NO. ①

SHEET: 1 OF 1 SHEETS

MODIFICATIONS CHECKED

RESPONSIBLE DATE NAME TITLE

SCALE: . DRAWN 11/07/03 . T.J.S.

SUPERSEDES: . CHECKED 16/07/03 . A.J.

GENERAL ASSEMBLY KESTREL ENCLOSURES

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED PRODUCT FILE: UK Ex

INTERNAL LABEL FOR USE ON TERMINAL BOXES WITH MIXED TERMINALS

MARKING DETAILS

SAK & DK4Q

TERMINAL CONTENTS			
	TYPE	MAX VOLTAGE (V)	MAX CURRENT (A)
WEIDMULLER	SAK2.5	550	
	SAK4		
	SAK6N		
	SAK10		
	SAK16	690	
	SAK35N	550	
	DK4Q	550	

PT.NO. CCH7541

AKA4/BK/MK

TERMINAL CONTENTS			
	TYPE	MAX VOLTAGE (V)	MAX CURRENT (A)
WEIDMULLER	AKZ4	275	
	BK3		
	BK4		
	BK6		
	BK12	420	
	MK6/6		

PT.NO. CCH7542

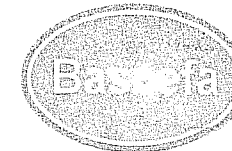
WDU

TERMINAL CONTENTS			
	TYPE	MAX VOLTAGE (V)	MAX CURRENT (A)
WEIDMULLER	WDU2.5N	550	
	WDU2.5		
	WDU4		
	WDU6		
	WDU10	690	
	WDU16		
	WDU35		
	WDU70N		

PT.NO. CCH7543

ALL PRINT BLACK ON WHITE BACKGROUND

MATERIAL: SELF ADHESIVE PAPER OR POLYESTER FOIL



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Abell

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THIS LABEL IS TO BE USED ON TERMINAL BOXES WITH MIXED TERMINALS WHEN THE CURRENT RATINGS FOR EACH OF THE DIFFERENT TERMINAL TYPES ARE DIFFERENT. WHEN THIS LABEL IS USED THE CURRENT RATING ON THE MAIN CERTIFICATION PLATE ON THE FRONT OF THE TERMINAL BOX MUST BE MARKED WITH A "-"

DEVELOPMENT DERIVED FROM 3D RADAN. FOLD TO DRAWING

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② .		TOLERANCES TO ISO 8015	
① .			
① .SEE D.1.C.C. No.6212	16/04/09		
MODIFICATIONS		CHECKED	
	RESPONSIBLE	DATE	NAME
	DRAWN	16/04/09	G.C.
SUPERSEDES:	CHECKED		
TITLE		INT.LABEL FOR USE ON TERMINAL BOXES WITH MIXED TERMINALS	
SCALE:		DRAWING NO. .728879 ①	
SHEET: 1 OF 1 SHEETS		ISSUE NO.	
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED		PRODUCT FILE: UK Ex	

PROTECTION REMARK TO DIN 34, MUST BE OBSERVED

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DESCRIPTION	PART No.	CERTIFICATE No.	MATERIAL	CODE	V	A	2 mm
UT 2.5	30 44 076	KEMA04ATEX204BU & IECEX KEM 06.0027U		⊕ 11 2 GD Ex e II	690	23	2.5
UT 4	30 44 102			⊕ 11 2 GD Ex e II	690	32	4
UT 6	30 44 131			⊕ 11 2 GD Ex e II	690	41	6
UT 10	30 44 160			⊕ 11 2 GD Ex e II	690	57	10
UT 16	30 44 199			⊕ 11 2 GD Ex e II	690	76	16
UT 35	30 44 225			⊕ 11 2 GD Ex e II	690	125	35
UT 2.5-PE	30 44 092			-	-	-	2.5
UT 4-PE	30 44 128			⊕ 11 2 GD Ex e II	-	-	4
UT 6-PE	30 44 157			⊕ 11 2 GD Ex e II	-	-	6
UT 10-PE	30 44 173			⊕ 11 2 GD Ex e II	-	-	10
UT 16-PE	30 44 212			⊕ 11 2 GD Ex e II	-	-	16
UT 35-PE	30 44 241			⊕ 11 2 GD Ex e II	-	-	35



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② .		TOLERANCES TO ISO 8015
① .		
① .SEE D.I.C.C. No.7087	21/09/10	
MODIFICATIONS		CHECKED
	DATE	NAME
	RESPONSIBLE	.
SCALE: .	DRAWN	21/09/10 . G.C.
SUPERSEDES: .	CHECKED	21/09/10 . G.J.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED		PRODUCT FILE:

749993 ①

DRAWING NO. ISSUE NO.

SHEET: 1 OF 1 SHEETS

COOPER Crouse-Hinds

TITLE: TERMINAL SELECTION GUIDE
ATEX (PHOENIX)
KESTREL

UK Ex