



Component Approval Certificate



Intertek BEAB and ENEC Mark Certificate

Intertek BEAB Mark
The BEAB Mark is a symbol of electrical safety for your customers and evidence to the authorities that Intertek has independently certified your product's compliance to the relevant European safety requirements. Intertek exclusively provides the BEAB Mark - a recognised symbol of safety since 1960.

Certificate No 21452

This is to certify that:

Otter Controls Limited

Dew Pond Lane, Tongue Lane Industrial Estate, Fairfield, Buxton, Derbyshire, SK17 7LF, UK

is authorised to use the APPROVAL MARK set out above, on the following goods

Product: Thermal Cut-Out

Brand Name: **Otter**

Model Name: **H1 Series**

Report Number: **SMT 0242**

The product complies with the standard(s): **EN60730-1:2000+A1,A2,A12,A13,A14,A15,A16; EN60730-2-9:2010**

This Certificate is issued in accordance with the Certification Regulations governing its use and in reliance on the undertaking given by the Licensee and only extends to the use in respect of the goods produced to an acceptable degree of compliance with the Approval Standard. This Certificate is not transferable and remains the property of Intertek Testing and Certification Ltd.

This approval will be reviewed at the date shown, or earlier if preceded by the withdrawal of the Standard on which the Approval of the product was based.	Certification body: ITCL BEAB Ref: CAT 0764 Issued Date: 23 May 2019 Expiry Date: 20 May 2024 Issue No: 2
Limitations:	
The glow wire test was carried out on the whole product at 850°C and no ignition occurred	

Authorising Engineer



Authorising Manager



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Voltage:	250 V~	Current:	16(5) A
Tmax:	165 °C	Tmin:	0 °C
Automatic Cycles:	10 000 (H11); 1 000 (H12); 3 000 (H13, > 125 °C); 6 000 (H13 ≤ 125 °C)	Manual Cycles:	-
Automatic Action Type	Type 2C (H11, H13); type 2B (H12)	Contact Separation:	Micro-interruption (H11, H13); micro- disconnection (H12)
Construction:	Incorporated control	Dirt Protection:	IP0X
Moisture Protection:	IPX0	Heat Fire Tracking:	Category D
Engagement Type:	-	Engagement Weights:	-
Number of cycles performed:	-		

<u>Brand and Type/Model</u>	<u>Characteristics</u>	<u>Factory Code</u>
Otter H1 series	250V~ 16(5) A Max	OTTERS.04



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Details: The unique type reference printed on the cover and/or unit includes a date code and a code which can be decoded by reference to Otter Controls Ltd to define the characteristics of the product.

The name "Otter" will be printed on the bimetal blade and/or on the moulding.
The basic type reference will consist of 3 characters. Firstly the letter H will appear followed by 2 digits.

H11 Self resetting thermal cut-out
H12 Non self-resetting thermal cut-out
H13 Voltage maintained thermal cut-out

The variants may be with or without an outrigger bracket for fixing and will have rivet terminals, crimp terminal, solder terminals or 6.3mm tab terminals.

The suffix type reference will consist of a series of 8 characters. Three characters will be either digits or letters of the alphabet, or a combination, and will denote the date of manufacture. A further 5 characters will be digits which will identify all the characteristics of the control, including terminal type and if an outrigger bracket is included. An optional alphabetical suffix may be included after the type reference.

It should be noted that these 5/6 alphanumeric characters form a number which can only be decoded by reference to records at Otter Controls Limited, the number range being 00001 to 99999.

An optional further block of between 1 and 3 characters giving an additional manufacturing code may also be printed on the control or cover.

The basic type reference, the suffix reference and the manufacturing code will be printed on the side of the control and/or cover, together with the name "Otter" when appropriate.

Variants covered by scope of this report:

H1 type referencing system

H1 a b c d e f g h

a – cut-out variant

1 = auto reset
2 manual reset
3 = PTCR

b – unit type



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A = Unit with lug
B = Unit without lug

c – cover type
0 = without cover
C = with BC cover
7 = with B7 cover
9 = with B9 cover

d – bimetal
U = Bimetal

e – terminal fold options
A = Terminals folded 45 deg
B = Terminals folded 90 deg
C = Terminals crimped away from blade
D = Terminals crimped away from blade & 'Z' cropped
E = Terminals folded 15 deg & cropped 4.8mm
F = Terminals folded 100 deg
0 = Terminals without fold

f – terminal type
1 = Rivet terminals
2 = Crimp terminals towards blade (standard)
3 = 6.3 Tab terminals
4 = PCB Mounted version (H11 only)
6 = 6.3 Tab terminals - no hole
8 = PCB Mounted (Reduced Gap)

g – special feature
0 = Standard

h – special feature
A = plated unit



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