

TYPE APPROVAL CERTIFICATE**This is to certify:****That the Enclosure for Electrical Equipment**with type designation(s)
PL6 Series, PL7 Series, S Series, EJB Series

Issued to

**HAWKE International, A member of the Hubbell Group
Lancashire, United Kingdom**is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards**Application :****Hazardous areas Junction boxes.
For the termination of copper or copper based conductors
The manufacturer's installation description to be followed.**


Type	Enclosure protection	Operating Temperature
PL6 Series	IP66/67	-60°C to +75°C
PL7 Series	IP66/67	-60/-20°C to +75°C
S Series, EJB Series	IP66/67	-60°C to +80°C


This Certificate is valid until **2019-06-30**.Issued at **Høvik** on **2015-05-05**DNV GL local station: **Manchester**Approval Engineer: **Ludovico Gullifa**for **DNV GL**.....
**Marit Laumann
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.


Certificate No: **E-14173**
 File No: **829.20**
 Job Id: **262.1-019283-1**

Product description

Hazardous Area Junction box							
Type	PL6 Series						
Material	Glass Reinforced Polyester						
JB characteristics Max No entries per face Terminal type	Refer to PL612, PL615, PL620, PL626, PL626, PL630 datasheets and relevant documents.						
Maximum Power Dissipation T _a amb(-60 to --°C) Maximum Surface Temperature Assigned: T ₆ : 80°C T ₅ : 95°C		T _a : +40	T _a : +55	T _a : +65	T _a : +40	T _a : +55	T _a :+65
	Box	T ₆	T ₆	T ₆	T ₅	T ₅	T ₅
	PL612	4,1W	2,5W	1,5W	5,6W	4,1W	3,0W
	PL615	6,4W	4W	2,4W	8,8W	6,4W	4,8W
	PL620	11,4W	7,1W	4,2W	15,6W	11,4W	8,5W
	PL626	11,4W	7,1W	4,2W	15,6W	11,4W	8,5W
PL630	20,8W	13W	7,8W	28,6W	20,8W	15,6W	
Max Voltage Rating	690V ac/dc Dependent on terminals used						
Operating Temperature	-60°C to +75°C						
Ingress Protection	IP66 or IP67						
Application	For the termination of copper or copper based conductors.						
Classification	Intended for use in explosive gas and dust atmosphere, high level protection, dust ignition protection enclosure, increased safety protection. See Marking as reference.						
Certification	ATEX, IECEx						
Marking	Hawke Address, Product type, (Tamb: - 60°C to+ T**°C)  II 2GD, Ex e IIC Gb T**°C, Ex tb IIIC Db T80°C Maximum Dissipated Power, Volt, Amp, IP66/67, Cert. No, Ser. No/Year, Warning.						

Hazardous Area Junction box							
Type	PL7 Series						
Material	Glass Reinforced Polyester						
JB characteristics Max No entries per face Terminal type Limitation in datasheet	Refer to PL712 and PL722 datasheets and relevant documents.						
Max. Power Dissipation T _a amb(-60 to +-°C) Maximum Surface Temperature Assigned: T ₆ : 80°C T ₅ : 95°C		T _a : +40	T _a : +55	T _a : +65	T _a : +40	T _a : +55	T _a :+65
	Box	T ₆	T ₆	T ₆	T ₆	T ₅	T ₅
	PL712	3,35W	2,15W	1,2W	4,6W	3,35W	2,4W
	PL722	5,32W	3,23W	1,9W	7,3W	5,32W	3,9W
Max Voltage Rating	690V ac/dc Dependent on terminals used						
Operating temperature	-60/-20°C to +75°C						
Ingress Protection	IP66 or IP67						
Application	For the termination of copper or copper based conductors.						
Classification	Intended for use in explosive gas and dust atmosphere, high level protection, dust ignition protection enclosure, increased safety protection. See Marking as reference.						
Certification	ATEX, IECEx						
Marking	Hawke Address, Product type, (Tamb: - 60/-20°C to+ T**°C)  II 2GD, Ex e IIC Gb T**°C, Ex tb A21 IIIC Db T80°C Maximum Dissipated Power, Volt Amp, IP66/67, Cert. No, Ser. No/Year, Warning.						

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Hazardous Area Junction box							
Type	S Series and EJB Series						
Material	Grade 316L Stainless Steel						
Junction box characteristics Max No entries per face Terminal type	Refer to Size 1, 2, 2L, 3, 4, 4L, 5, 6, 7, 8, 9, 14, 17, EJB1, EJB2 datasheets and relevant documents.						
Max Power Dissipation T _a amb(-60 to +--°C) Maximum Surface Temperature Assigned: T ₆ : 80°C T ₅ : 95°C T ₄ : 130°C	Box	T _a : +40	T _a : +55	T _a : +65	T _a : +40	T _a : +55	T _a : +65
		T ₆	T ₆	T ₆	T ₅	T ₅	T ₅
	Size 1	13,95	8,7	5,2	19,1	13,95	10,4
	Size 2	18,15	11,3	6,8	24,9	18,15	13,6
	Size 2L	18,15	11,3	6,8	24,9	18,15	13,6
	Size 3	23,70	14,8	8,8	32,5	23,70	17,7
	Size 4	29,95	18,7	11,2	41,1	29,95	22,4
	Size 4L	29,95	18,7	11,2	41,1	29,95	22,4
	Size 5	32,85	20,5	12,3	45,1	32,85	24,6
	Size 6	40,00	25,0	15,0	55,0	40,00	30,0
	Size 7	52,00	23,5	19,5	71,5	52,00	39,0
	Size 8	65,00	40,6	24,3	89,3	65,00	48,7
	Size 9	79,35	49,5	29,7	109,1	79,35	59,5
	EJB1	4,74	2,96	1,77	6,51	4,74	3,55
	EJB2	6,64	4,15	2,49	9,13	6,64	4,98
	T _a : +40 T5	T _a : +45 T5	T _a : +50 T5	T _a : +55 T5			
Size 15	199,78						
	T _a : +40 T4	T _a : +45 T4	T _a : +50 T4	T _a : +55 T4			
Size 17	221,39						
Max Voltage Rating	1100 V ac/dc Dependent on terminals used						
Operating Temperature	-60°C to +80°C						
Ingress Protection	IP66 or IP67						
Application	For the termination of copper or copper based conductors.						
Classification	Intended use in explosive gas and dust atmosphere, high level protection, dust ignition protection enclosure, increased safety protection. See Marking as reference.						
Certification	ATEX, IECEX						
Marking	Hawke Address, Product type, (T _{amb} : -20°C to+ T***°C)  II 2GD, Ex e IIC Gb T**°C, Ex tb IIIC Db T***°C Maximum Dissipated Power, Volt, Amp, IP66/IP67, Cert. No, Ser. No/Year, Warning.						

Application/Limitation

The manufacturer's application instructions to be followed.
 The manufacturer's assembly installation to be followed.

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Type Approval documentation

Type Approval documentation PL6 Series	EC Type examination Certificate :Baseefa 06ATEX0117X IECx Test report :GB/BAS/ExTR12.0113/00 IECx Certificate of Conformity IECEX BAS 06.0028X Assembly instruction data sheet: AI 273 General Arrangement drawings C 2542 and 9004
Type Approval documentation PL7 Series	EC Type examination Certificate :Baseefa 08ATEX0272X IECx Test report :GB/BAS/ExTR10.0270/00 IECx Certificate of Conformity IECEX BAS 08.0091X Assembly instruction data sheet: AI 285 General Arrangement drawings C 2540
Type Approval documentation S Series and EJB Series	EC Type examination Certificate : 08ATEX0208X IECx Test report :GB/BAS/ExTR14.0135/00 IECx Certificate of Conformity IECEX BAS 08.0065X Assembly instruction data sheet: AI 290 , AI 291, AI266, AI 1000/1/2 General Arrangement drawings C 2535

Tests carried out

PL6 Series	IEC/EN 60079-0, IEC/ EN 60079-7 and IEC/EN60079-31
PL7 Series	IEC/EN 60079-0, IEC/ EN 60079-7and IEC/EN 61241-1
S Series and EJB Series	IEC/EN 60079-0, IEC/ EN 60079-7 and IEC/EN60079-31

Marking of product

According to IECx Certificate of Conformity. See also product description

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the periodical assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer’s product type marking and Type Approval Certificate.

Periodical assessment to be performed at least every second year.

END OF CERTIFICATE