

CERTIFICATE

(1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 02ATEX2271 U** Issue Number: **3**

(4) Component: **Enclosure, Series EBE...**

(5) Manufacturer: **Electromach b.v., Member of the R. STAHL Technology Group**

(6) Address: **Jan Tinbergenstraat 193, 7559 SP Hengelo, The Netherlands**

(7) This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component 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. NL/DEK/EXTR12.0019/00.

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

EN 60079-0 : 2012

EN 60079-7 : 2007

EN 60079-31 : 2009

(10) The sign "U" placed after the certificate number indicates that this certificate describes components and must not be mistaken for a certificate intended for an equipment or protective system. This EC-Type Examination Certificate may be used as a basis for certification of an equipment or protective system.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified component according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

(12) The marking of the component shall include the following:



II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP66

This certificate is issued on 30 October 2013 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.


T. Pijper
Certification Manager

Page 1/3



© Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 02ATEX2271 U** Issue No. 3

(15) **Description**

Enclosure series EBE..., for fixed installation, made of stainless or sheet steel, for mounting of electrical apparatus having a type of protection in accordance with EN 60079-0.

The degree of protection of IP66 according to EN 60079-0 and EN 60529 is only achieved if certified cable entries and blanking elements are used that are suitable for the application and correctly installed. The instructions provided by the manufacturer must be followed in detail to assure safe operation of the product.

Operating temperature range -58 °C to +60 °C or -25 °C to +60 °C, depending on the type of sealing applied.

Technical data

The allowed power dissipation for temperature classes T6, T5 and T4 and the maximum surface temperature T ... °C is to be taken from the following table:

Enclosure Type	Dimensions LxWxH (mm)	Max. power dissipation (W) / Temperature class (maximum surface temperature)		
		T6 (T 80°C)	T5 (T 95°C)	T4 (T 130°C)
202010	200x200x100	23	32	53
203010	200x300x100	32	44	73
303010	300x300x100	44	61	99
203015	200x300x150	39	54	89
303015	300x300x150	53	73	119
304015	300x400x150	66	91	149
404015	400x400x150	82	113	186
406015	400x600x150	115	158	259
606015	600x600x150	159	219	359
608015	600x800x150	204	280	459
808015	800x800x150	260	358	586
8010015	800x1000x150	316	435	712
304021	300x400x210	79	108	177
404021	400x400x210	97	133	218
406021	400x600x210	133	183	299
606021	600x600x210	181	249	407
608021	600x800x210	229	315	515
808021	800x800x210	288	397	650
8010021	800x1000x210	348	479	784
608040	600x800x400	307	423	692
808040	800x800x400	378	520	852
8010040	800x1000x400	449	618	1012
608060	600x800x600	307	423	692
808060	800x800x600	473	651	1065
8010060	800x1000x600	556	765	1252

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 02ATEX2271 U** Issue No. 3

Enclosure Type	Dimensions LxWxH (mm)	Max. power dissipation (W) / Temperature class (maximum surface temperature)		
		T6 (T 80°C)	T5 (T 95°C)	T4 (T 130°C)
6012080	600x1200x800	639	879	1438
6014080	600x1400x800	722	993	1625
6016080	600x1600x800	805	1107	1811
8012080	800x1200x800	757	1041	1704
8014080	800x1400x800	852	1172	1918
8016080	800x1600x800	947	1302	2131
8018080	800x1800x800	1041	1432	2344
8020080	800x2000x800	1136	1562	2557
8022080	800x2200x800	1231	1693	2770
10016080	1000x1600x800	1089	1497	2450
10018080	1000x1800x800	1195	1644	2690
10020080	1000x2000x800	1302	1790	2930
10022080	1000x2200x800	1408	1937	3170
12016080	1200x1600x800	1231	1693	2770
12018080	1200x1800x800	1349	1855	3036
12020080	1200x2000x800	1468	2018	3303
12022080	1200x2200x800	1586	2181	3569
Intermediate dimensions with associated maximum power dissipation are allowed.				

Note: the maximum surface temperature "T" is based on an ambient temperature of +40 °C.

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Report**

No. NL/DEK/ExTR12.0019/00.

(17) **Specific conditions of use**

Not applicable.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/DEK/ExTR12.0019/00.