



Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **3293006 HH**

Company **R. STAHL Schaltgeräte GmbH
Am Bahnhof 30
74638 Waldenburg, GERMANY**

Product Description **Terminal boxes**

Type **8146/...**

Environmental Category **F**

Technical Data /
Range of Application **type 8146/1...
8146/2...**

ingress protection IP 66

**ex- protection II 2 G Ex dem ia/ib [ia] II A, IIB, IIC T6, T5, T4 *
II 2 D Ex tD A21IP66 T80°C, T95°C, T130°C*
as per PTB certificate**

material GRP

*** temperature class T6 and T80°C for amb. temp. < +40°C**

Test Standard **Guidelines for the Performance of Type Approvals Part 2, Edition 2003
IEC 60529:99**

Documents **Certificates: PTB01ATEX1016+amd.1+2, PTB 01ATEX1015U+amd.1;
LCIE02ATEX6242
Test reports: PTB Ex 01-11019, 01-11145, 01-11018, 07-17093, 07-17094**

Remarks **Operating instruction of the manufacturer to be observed. Marking as per actual
installed components. Selection of gasket acc. to ambient cond./temp.**

Valid until **2016-09-18**

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File No. **I.O.01**

Hamburg, 2011-09-19

Type Approval Symbol



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Thomas Hartmann

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This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".



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The schedule:

Type 8146 / " X " " Y " " Z " / " info "

empty enclosure type	X = -
increase safety " e " =>	X = 1
intrinsically safe " i " =>	X = 2

sizes:

length x width

combination of enclosures =>	Y = 00
112,5 x 112,5 mm =>	Y = 03
170 x 112,5 mm =>	Y = 04
227 x 112,5 mm =>	Y = 24
170 x 170 mm =>	Y = 05
227 x 170 mm =>	Y = 06
340 x 170 mm =>	Y = 07, B7, S7
340 x 340 mm =>	Y = 08
681 x 340 mm =>	Y = 09

height

combination of enclosures =>	Z = 00
91 mm =>	Z = 1
131mm =>	Z = 2
150mm =>	Z = 3
171mm =>	Z = 4
190mm =>	Z = 5
230mm =>	Z = 6

additional manufacturer information =>

info

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