Type Approval Certificate

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.	**59 143 - 08 HH**
Company	**R. STAHL Schaltgeräte GmbH** **Am Bahnhof 30** **74638 Waldenburg, GERMANY**
Product Description	**Intrinsically Safe Remote I/O System**
Type	**IS1**
Environmental Category	**C, EMC2**
Technical Data / Range of Application	**CPU & Power Modules (for Zone 1 or Zone 2):** **-CPU & Power Module 9440/12-01-11 [PTB 00 ATEX 2052]** **or [KEMA 02 ATEX 1333 X]** **-CPU & Power Module 9440/15-01-11 (Zone 2) [PTB 99 ATEX 2222]** **-CPU & Power Module 9440/22-01-11 (20...35V DC) [KEMA 02 ATEX 1333 X]** **-CPU & Power Module 9440/22-01-21 (90...253V AC) [KEMA 02 ATEX 1333 X]** **-Socket 9490/11-11 for CPU & Power Module 9440/12-01-11** **-Socket 9490/13-12 for CPU & Power Module 9440/22-01-*1** **-Socket 9490/11-12 for CPU & Power Module for 9440/22-01-*1** **-BusRail 4 modules 9494/S1-M4** **-BusRail 2 modules begin 9494/S1-B2, -end 9494/S1-E2** **-Cable for BusRail 1.1m or 0.47m 9491/Z0-VB** **-Termination BusRail begin 9494/A1-B0, -end 9494/A1-E0** **-Termination BusRail beg S-D 9494/A2-B0, -end 9494/A2-E0** **-BusRail Extension 9440/L1-Va (a=6 to 9 for 0.5 to 2m cable)** **-Fieldbus Isolating Repeater 9185/1.-.5-10 [DMT 02 ATEX E 246 X].**
Test Standard	**Guidelines for the Performance of Type Approvals Part 2, Edition 2003** **Regulations for the Use of Computers and Computer Systems, 1994**
Documents	**Test reports: STAHL 5275/08; DNV 2002-3277; STAHL 5277/08; STAHL 5274/08; STAHL 4045/00, -4046/00, -4047/00, -4048/00, -4050/00, -4107/01, -4238/02, -4334/02, -5223/07, -5225/07; TPB 4601/04, TPB 4414/03; LGA 27 1439 AP1; KRIWAN 007402_01_G; -004142_01_A, -006467_01_A, 003055_01_A.**
Remarks	**To be used in self-contained RFI shielded steel cabinets only.**
Valid until	**2013-03-17**

Type Approval Symbol

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File No. I.B.07

Hamburg, 2008-10-08

i.V.

Jürgen Wittburg

i.A.

Jens Dietrich

Germanischer Lloyd

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I/O modules with IS field circuits (Ex ib or ia):
-Analog Input Module (AIM 0/4-20mA) 9460/12-08-11 [PTB 99 ATEX 2175]
-Analog Input Module HART (AIMH 08, 2 wire) 9461/12-08-11 [PTB 99 ATEX 2175]
-Analog Input Module HART (AIMH 08, 4 wire) 9461/12-08-21 [PTB 99 ATEX 2175]
-Analog Output Module (AOM 08 0/4-20mA) 9465/12-08-11 [PTB 99 ATEX 2207]
-Analog Output Module HART (AOMH 08) 9466/12-08-11 [PTB 99 ATEX 2207]
-Dgital Input Module (DIM 16, Namur/Contact) 9470/22-16-11 [PTB 99 ATEX 2184]
-Digital Output Module (DOM 04 17V, 11V/40mA) 9475/12-04-11 [PTB 99 ATEX 2220]
-Digital Output Module (DOM 04 23V, 12.5V/40mA) 9475/12-04-21 [PTB 99 ATEX 2220]
-Digital Output Module (DOM 04 23V, 19V/40mA) 9475/12-04-31 [PTB 99 ATEX 2220]
-Digital Output Module (DOM 08 9.5V, 4.5/30mA) 9475/12-08-41 [PTB 99 ATEX 2220]
-Digital Output Module (DOM 08 17V, 13V/26mA) 9475/12-08-51 [PTB 99 ATEX 2220]
-Digital Output Module (DOM 08 17V, 17.5V/20mA) 9475/12-08-61 [PTB 99 ATEX 2220]
-Temperature Input Module (TIM R 08, Resistance) 9480/12-08-11 [PTB 00 ATEX 2123]
-Temperature Input Module (TIM mV 08, Thermocouple) 9481/12-08-11 [PTB 00 ATEX 2124]
I/O modules for Non IS field circuits:
-Analog Input Module (AIM) 9460/15-08-12 [KEMA 06 ATEX E 0291 X]
-Analog Input Module HART (AIMH) 9461/15-08-12 [KEMA 06 ATEX E 0291 X]
-Analog Output Module (AOM) 9465/15-08-12 [KEMA 06 ATEX E 0291 X]
-Analog Output Module (AOMH) 9466/15-08-12 [KEMA 06 ATEX E 0291 X]
-Digital Input Module (DIM Namur) 9470/25-16-12 [KEMA 06 ATEX E 0291 X]
-Digital Input Module (DIM 24V) 9471/15-16-12 [KEMA 06 ATEX E 0291 X]
-Digital Output Module (DOMR 06) 9477/12-06-12 [PTB 99 ATEX 2205 X]
-Digital Output Module (DOMR 08) 9477/12-08-12 [PTB 99 ATEX 2205 X]
-Socket 9490/11-33 (for DOM 08)
-Socket 9490/11-34 (for DOM 06)
-Digital Output Module (DOMR 08) 9477/15-08-12 [PTB 01 ATEX 2187]
-Plug-In Terminal (screw, spring) 94 900 xx 67 0 (xx=05, 06)
-Plug-In Terminals (screw or spring) 94 900 xx 67 0 (xx=07, 15, 08, 16)
-Partition 94 909 01 54 0.
Enclosure:
-Enclosure (Ex e) 8126/-4..-.-EMV [PTB 03 ATEX 1059 U, PTB 03 ATEX 1060]
-Cable Glands (Ex e) 8163/2-...A2F-...., 8163/2...-A2FRC-..., 8163/2...T3CDS-..., 8163/2...T3CDS/PB-...
[Sira 06 ATEX 1188 X, Sira 07 ATEX 1201X].

Valid until **2013-03-17**

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