



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BVS 21.0049X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-08-26
Applicant: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany
Equipment: **LED Pendant Light Fitting type 6057 / x x x x - x x x - x x x x - x x x - x x x**
Optional accessory:
Type of Protection: **Flameproof Enclosure "d", Protection by Enclosure "t"**
Marking: Ex db IIC T6...T4* Gb
Ex tb IIIC T85°C...T110°C* Db
* See Parameters

Approved for issue on behalf of the IECEx
Certification Body:

Dr Michael Wittler

Position:

Deputy Head of Certification Body

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Page 2 of 3

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Manufacturer: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

Additional manufacturing locations: **R. STAHL Schaltgeräte GmbH**
Nordstr. 10
99472 Weimar
Germany

R. STAHL (P) LTD.
Malrosapuram Main Road, Sengundram Indl.
Area, Singaperumal Koil, Tamil Nadu 603 204
India

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/BVS/ExTR21.0044/00](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/17](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 21.0049X**

Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Subject and Type

See Annex

Description

6057 Series of LED Pendant Light Fittings are suitable for ceiling, pendant, wall or pole mounting. The light fitting comprises a main housing with integral terminal compartment and LED compartment.

The LED Pendant Light Fitting is designed in type of protection Flameproof Enclosure "db" and Protection by Enclosure "tb".

All threaded joints are fitted with O ring gaskets which will provide ingress protection rating of IP66 / IP67.

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The threads engaged for the flameproof joint are more than permitted by the standard IEC 60079-1. The user must refer to manufacturer before carrying out any repairs or refurbishment to the equipment.
2. The painted enclosure may present a potential electrostatic charging hazard. See the manufacturer's instructions for further information. The manual contains instructions as "" The light fitting can be cleaned with a damp cloth to avoid electrostatic charging".
3. Dust layers shall be prevented from building up on the outside surface of the enclosure, and the enclosure shall be routinely cleaned.
4. It is the responsibility of the installation engineer to ensure that suitably certified cable glands and blanking plugs are used with IP 66/67 degree of protection.

Annex:

[BVS_21_0049x_R_Stahl_Draft_Annex_1.pdf](#)



IECEX Certificate of Conformity



Certificate No.: IECEx BVS 21.0049X
Annex
Page 2 of 2

Parameters

Type	6057/2212-...	6057/2214-...	6057/2216-...	6057/2218-...
Power	25 W	45 W	65 W	80 W
Rated input voltage (Narrow voltage LED control gear)	220 to 240 V AC			
Input voltage Range (Narrow voltage LED control gear)	198 to 264 V AC			
Rated input voltage (wide voltage LED control gear)	110 to 277 V AC 140 to 270 V DC			
Input voltage Range (wide voltage LED control gear)	99 to 305 V AC 127 to 300 V DC			
Frequency (AC)	50 / 60 Hz			
Ambient temperature range T6 / T85 °C	-20 °C ¹⁾ ≤ T _a ≤ +60 °C -40 °C ²⁾ ≤ T _a ≤ +60 °C	-20 °C ¹⁾ ≤ T _a ≤ +50 °C -40 °C ²⁾ ≤ T _a ≤ +50 °C		
Ambient temperature range T5 / T100 °C		-20 °C ¹⁾ ≤ T _a ≤ +60 °C -40 °C ²⁾ ≤ T _a ≤ +60 °C	-20 °C ¹⁾ ≤ T _a ≤ +50 °C -40 °C ²⁾ ≤ T _a ≤ +50 °C	
Ambient temperature range T4 / T110 °C			-20 °C ¹⁾ ≤ T _a ≤ +60 °C -40 °C ²⁾ ≤ T _a ≤ +60 °C	

¹⁾ -20 °C ambient temperature is applicable for enclosures made of LM6 or AlSi12(Fe) or AlSi7Mg0.3

²⁾ -40 °C ambient temperature is applicable for enclosures made of AlSi12(Fe) or AlSi7Mg0.3 and material of terminal cover is AlSi7Mg03 and the material of glass cover is AlSi12(Fe).