

5. EU-Konformitätserklärung / EU Declaration of Conformity

EU Declaration of Conformity

OSRAM

Document number: 2019 / 9C1-3762718-EN-00

2011/65/EU and amendments

The conformity of the designated product(s) with the provisions of this European Directive is given by the compliance with the following European Standard(s) or other specifications.
If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

EN 50581:2012 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

2014/35/EU

The conformity of the designated product(s) with the provisions of this European Directive is given by the compliance with the following European Standard(s) or other specifications.
If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013 Information technology equipment – Safety – Part 1: General requirements

2014/30/EU

The conformity of the designated product(s) with the provisions of this European Directive is given by the compliance with the following European Standard(s) or other specifications.
If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

EN 50491-5-1:2010 General requirements for Home and Building Electronic Systems (HBES) and Building; Automation and Control Systems (BACS) – Part 5-1: EMC requirements, conditions and test set-up;

EN 50491-5-2:2010 General requirements for Home and Building Electronic Systems (HBES) and Building; Automation and Control Systems (BACS) – Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment

EN 50491-5-3:2010 General requirements for Home and Building Electronic Systems (HBES) and Building; Automation and Control Systems (BACS) – Part 5-3: EMC requirements for HBES/BACS used in industry environment

EN 55032:2015 Electromagnetic compatibility of multimedia equipment — Emission requirements

EN 61000-6-2:2005 Electromagnetic compatibility (EMC) — Part 6-2: Generic standards — Immunity for industrial environments IEC 61000-6-2:2005

EN 61000-6-3:2007 + A1:2011 Electromagnetic compatibility (EMC) — Part 6-3: Generic standards — Emission standard for residential, commercial and light-industrial environments IEC 61000-6-3:2006

List of models:

- KNX IF 250 (Universal Interface to KNX Bus)
- KNX PS 640 (KNX Bus Power Supply)

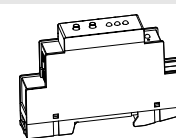
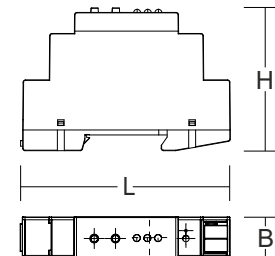
INSTRUCTION

Serie light control +3
Lichtmanagementinterface KNX-Gateway /
Light control interface KNX-Gateway

09-3130.032
11-2020

RZB
LIGHTING

CE  IP 20 29 V



982517.009

L 90, B 18, H 62

40 g



INSTRUCTION
WARTUNGSPLAN/
MAINTENANCE
SCHEDULE



DIN EN 61340-5-1



Warnung!

- Das Gerät darf nur von einer zugelassenen Elektrofachkraft installiert und in Betrieb genommen werden.
- Die geltenden Sicherheits- und Unfallverhütungsvorschriften sind zu beachten.
- Das Gerät darf nicht geöffnet werden.
- Bei der Planung und Errichtung von elektrischen Anlagen sind die einschlägigen Richtlinien, Vorschriften und Bestimmungen des jeweiligen Landes zu beachten.



Warning!

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.



Vor Installation, Wartung oder Reparatur freischalten/
power off before installation, maintenance or repair

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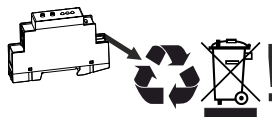
Technische Daten:

Stromversorgung	über KNX-Bus
Nennstrom	0,015 A
Sicherheitskleinspannung SELV	29 V
Schutzart	IP 20
Schutzklasse	
Teilungseinheit	DIN Reiheneinbau, Einbaubreite 1 TE (18 mm)
Max.Anzahl anschließbarer Sensoren, Aktoren und EVGs	40
Betriebsbedingungen	Umgebungstemperatur, Ta
	-5°C - +45°C
KNX	Medium Twisted Pair CAT-3 Interface Protokoll - cEMI Max. APDU Länge - 55 Object Server - BAOS V2
Ethernet	10BaseT (10Mbit/s) Internet Protokolle: ARP, ICMP, IGMP, Auto IP, UDP/IP, TCP/IP, DHCP KNX BAOS Binary Protocol V2.0 KNX BAOS Web Services (JSON) KNXnet/IP Tunneling
Anschlüsse	Busklemme KNX(rot+, schwarz-) LAN-Anschlussbuchse RJ-45

Technical Data:

Power supply	via KNX Bus
Rated current	0,015 A
Safety extra low voltage	29 V
Type of protection	IP 20
Protection class	
Division Units	DIN rail mounted device, overall width 1 DU (18 mm)
Max. load	Sensors, Actuators and ECGs
	40
Operating conditions	Ambient temperature, Ta
	-5°C - +45°C
KNX	medium Twisted Pair CAT-3 Interface Protokoll - cEMI Max. APDU Länge - 55 Object Server - BAOS V2
Ethernet	10BaseT (10Mbit/s) Internet Protokolle: ARP, ICMP, IGMP, Auto IP, UDP/IP, TCP/IP, DHCP KNX BAOS Binary Protocol V2.0 KNX BAOS Web Services (JSON) KNXnet/IP Tunneling
Ports:	Bus terminal KNX(red+, black-) LAN-connector RJ-45

Entsorgungshinweis



Gemäß EU-Richtlinie 2002/96/ EG für Elektro- und Elektronik-Altgeräte (WEEE), darf dieses elektrische Produkt nicht mit dem gewöhnlichen unsortierten Hausmüll entsorgt werden. Bitte entsorgen Sie dieses Produkt, indem Sie es dort zurückgeben, wo Sie es erworben haben, oder bei einer kommunalen Recycling-Sammelstelle in Ihrer Nähe.

Disposal Instructions

In line with EU Directive 2002/96/EC for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste.

Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.

5. EU-Konformitätserklärung / EU Declaration of Conformity

EU Declaration of Conformity



Document number: 2019 / 9C1-3762718-EN-00

Manufacturer or representative: OSRAM GmbH

Address: Marcel-Breuer-Str. 6
80807 München
Germany

Brand name or trade mark: OSRAM

Product type: LMS (Light Management Systems)

Product designation: KNX

The designated product(s) is (are) in conformity with the relevant Union harmonisation legislation:

2011/65/EU and
amendments

Directive of the European Parliament and of the Council of 6 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment; Official Journal of the EU L174, 1/6/2011, p. 88-115

2014/53/EU

Directive of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits; Official Journal of the EU L96, 29/03/2014, p. 357-374

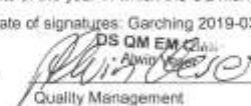
2014/30/EU

Directive of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility; Official Journal of the EU L96, 29/03/2014, p. 79-106

Last two digits of the year in which the CE marking was affixed: 19

Place and date of signatures: Garching 2019-03-07

Signatures:



Quality Management



Quality Assurance

Names: Alwin Veser

Bernhard Schemmel

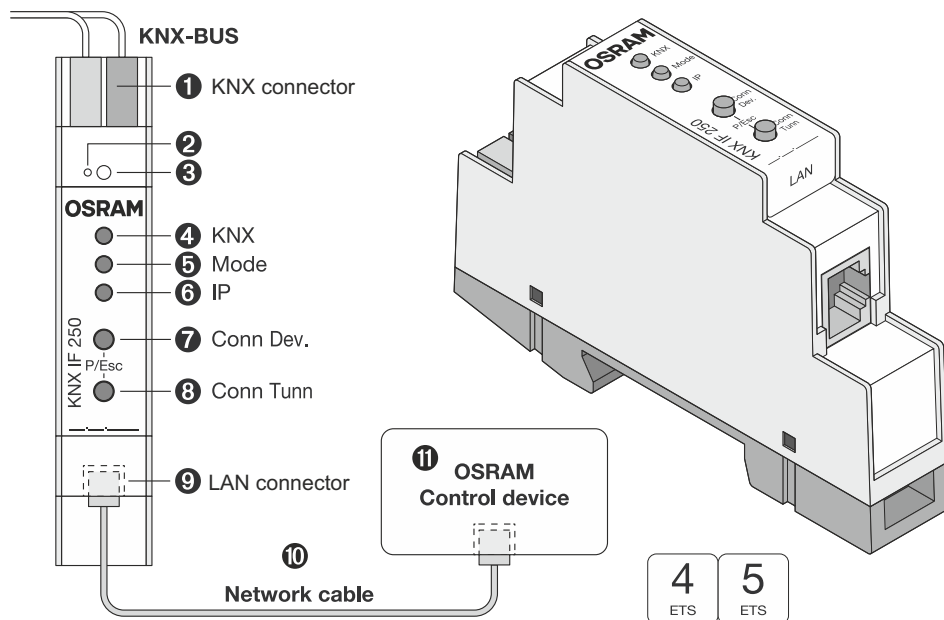
Customer service contact: OSRAM GmbH, Berliner Allee 65, 86153 Augsburg, Germany.

This declaration of conformity is issued under the sole responsibility of the manufacturer or representative. It certifies compliance with the indicated Directives, but implies no warranty of properties.

2. Wiring scheme

KNX IF 250

Interface to connect the KNX bus to an OSRAM light control device

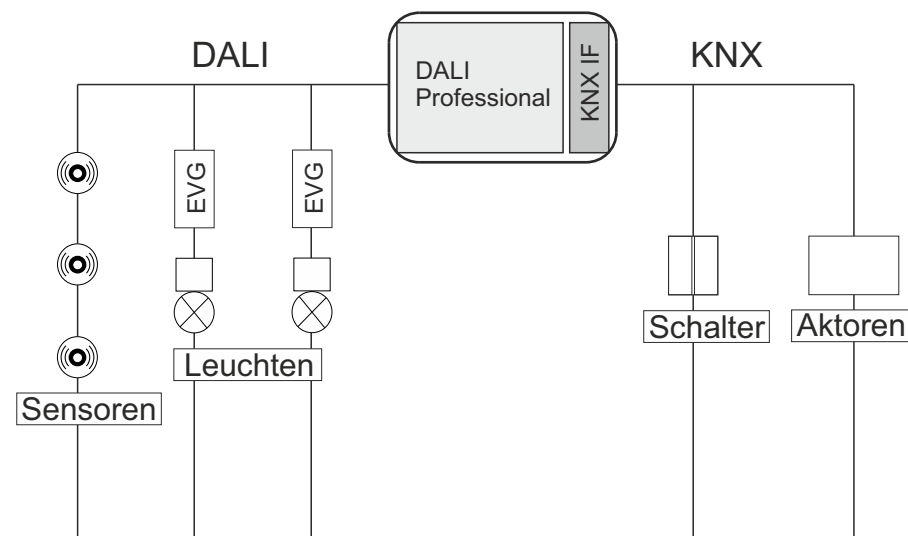


- ❶ KNX bus connector
- ❷ Programming LED
- ❸ KNX programming button
- ❹ KNX LED (multicolor)
- ❺ Mode LED (multicolor)
- ❻ IP LED (multicolor)
- ❼ Connect device button
- ❽ Tunneling connector button
- ❾ LAN connector
- ❿ Network cable
- ⓫ Control device

1. Beschreibung

Das KNX IF 250 ist eine universelle Schnittstelle für den KNX Installations-Bus. Die Hauptanwendung des KNX-Gateways ist die Verbindung von nicht-KNX Geräten und Anwendungen mit dem KNX-Bus. Das Gerät wird mit der Software ETS konfiguriert und unterstützt bis zu 40 Gruppenobjekte. Kommunikation zum KNX ist sowohl auf Telegrammebene (KNXnet/IP Tunneling), als auch auf Datenpunktebene (KNX Application Layer) möglich. Clients können über ein binäres Protokoll (TCP/IP oder UDP/IP), oder über JSON (Java Script Objekt Notation) Web Services direkt auf Gruppenobjekte zugreifen. Eine Implementierung des BAOS-Protokolls ("Bus Access and Object Server") ermöglicht die vollständige Integration in das KNX-System einschließlich der ETS-Unterstützung.

Beispiel-Schema der Verbindung von DALI- und KNX-Systemen:



Software ETS 4 oder ETS 5 - Lizenz und Datenbank - nur von www.knx.org!

Applikationsprogramm für das Produkt KNX IF 250 - von Osram!

Für weitere Informationen oder Fragen - wenden Sie sich bitte an das RZB Support-Team:
Lichtmanagementsysteme
Telefon (0951) 7909 396
E-Mail lms@rzb-leuchten.de

1. Description

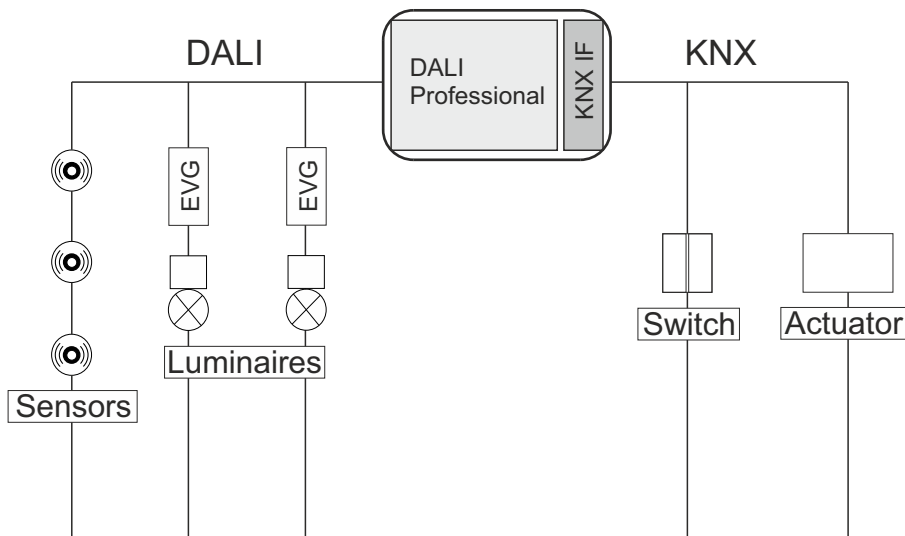
The KNX IF 250 is a universal interface to the KNX bus.

The main purpose of the KNX-Gateway devices is connecting non-KNX-devices and applications to the KNX bus.

The device is configured with the software ETS and supports up to 40 Group Objects. Communication to KNX is possible both on telegram level (KNXnet/IP Tunneling) and on data point level (KNX Application Layer).

Clients can directly access KNX Group Objects via either a Binary Protocol (over TCP/IP or UDP/IP), or via JSON (Java Script Object Notation) Web Services. Implementing the BAOS protocol ("Bus Access and Object Server") enables a full integration into the KNX system including ETS support.

Schematic example of the connection of DALI and KNXsystems:



Software ETS 4 or ETS 5 - license and database - only from www.knx.org!

Application software for the product KNX IF 250 - from Osram!

For further information or questions - please contact RZB Support-Team:

Light management systems

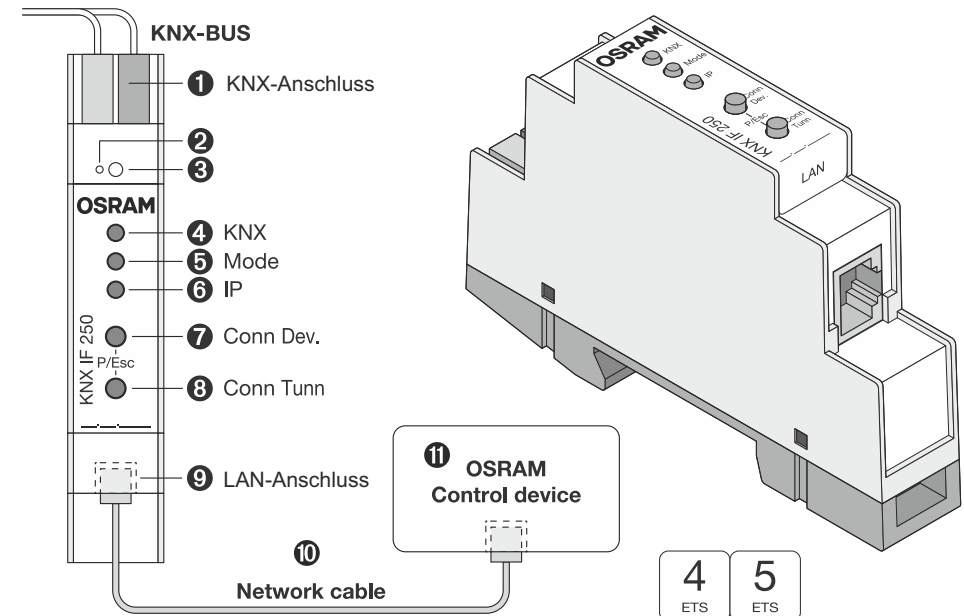
Phone +49 951 7909 396

E-Mail lms@rzb-leuchten.de

2. Anschluss-Schema

KNX IF 250

Schnittstelle zwischen KNX-Bus und OSRAM-Lichtsteuergerät



- ① KNX-Busanschluss
- ② Programmier - LED
- ③ Taster für Programmiermodus
- ④ KNX LED (mehrfarbig)
- ⑤ Mode LED (mehrfarbig)
- ⑥ IP LED (mehrfarbig)
- ⑦ Taster für Geräteverbindung
- ⑧ Taster für Tunneling-Verbindung
- ⑨ LAN - Buchse
- ⑩ Netzkabel
- ⑪ Steuergerät