Made in EU

Data secure (KSC-02L only)

EAC CE KNX

Indoor | LED | Network | Household | Building Automation

■ Features

· KNX TP Line coupler/Repeater
· Telegram filtering function
· Long messages support up to 240 byte APDU
· Trace the subline traffic
· Diagnostic functions
· Manual function
· 3 years warranty

■ Applications

· Office lighting
· Smart home lighting
· Luxury villas lighting
· LED indoor lighting
· Building automation

■ Description

The KNX TP Media Coupler KSC works as a KNX line/area coupler to provide a bi-directional data connection between two KNX TP lines/areas. KNX TP main line and KNX TP subline are coupled having a galvanic isolation in between. Using the TP Coupler application, KSC can be used as a KNX TP line coupler to connect several KNX TP lines but also as a KNX TP area coupler to connect several TP areas or different KNX TP installation systems via a TP Backbone. Telegram filtering is accomplished according to the installation place in the hierarchy and according to the built-in filter tables for group communication. For detailed diagnosis all operational modes/states are shown by a duo-LED display. Using the TP Repeater application, KSC is able to extend a KNX TP line providing unfiltered data transfer and galvanic isolation between segments. Up to four-line segments can form a single KNX TP line by connecting three KSC line repeaters. Each line segment requires its own KNX bus power supply unit. To ease commissioning and troubleshooting
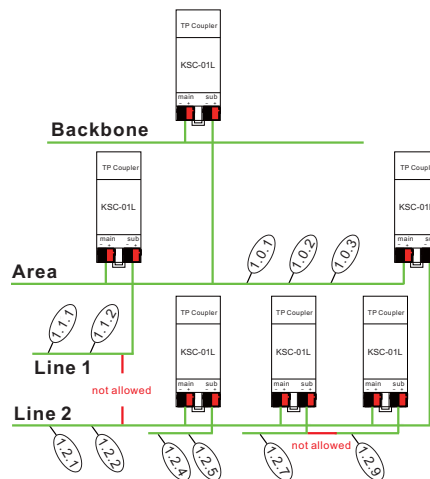
■ Order Information

Model No.	Function	Note
KSC-01L	KNX classic TP Line coupler/Repeater	In Stock
KSC-02L	KNX Secure Line coupler/Repeater	By request

SPECIFICATION

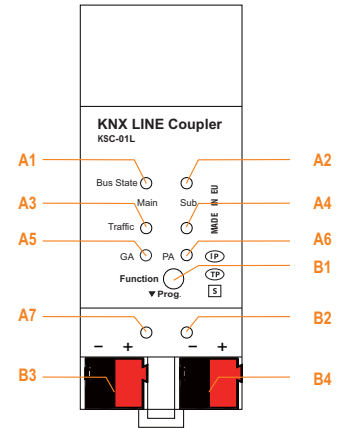| MODEL		KSC series
SUB LINE	**INTERFACE**	KNX Protocol
	INPUT VOLTAGE	21~30VDC(KNX TP bus)
	LED INDICATOR	Various color see mechnical specification part
MAIN LINE	**INTERFACE**	KNX Protocol
	INPUT VOLTAGE	21~30VDC(KNX TP bus)
	CURRENT CONSUMPTION	<10mA(KNX mainTP line)
ENVIRONMENT	**WORKING TEMP.**	-5 ~ +45℃
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +60℃, 5 ~ 93% RH non-condensing
	POLLUTION DEGREE	2 according to IEC60664-1
	PROTECTION TYPE	IP20 according to IEC60529
SAFETY & EMC	**SAFETY STANDARDS**	EAC TP TC 004 approved; Compliance to EN60669
	KNX STANDARDS	ISO/IEC 14543-3, EN50090, EN13321-1
	EMC EMISSION	Compliance to EN50491-5, EN61000-6, EAC TP TC 020
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, EAC TP TC 020
OTHERS	**MTBF**	100K hrs min.
	DIMENSION	36*90*71mm (W*H*D)
	DIN RAIL MOUNTING	35 mm rail; 2 units wide
	PACKING	0.076Kg; 1pcs

■ Mechanical Specification

Case No.   Unit:mm

71
50.9
44.9
90
22.55
12.2
4
37.6

36
35
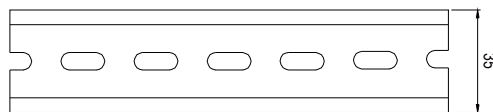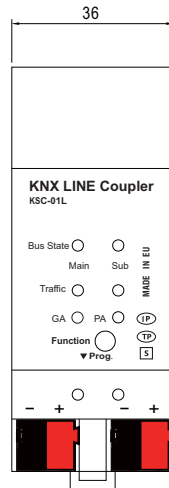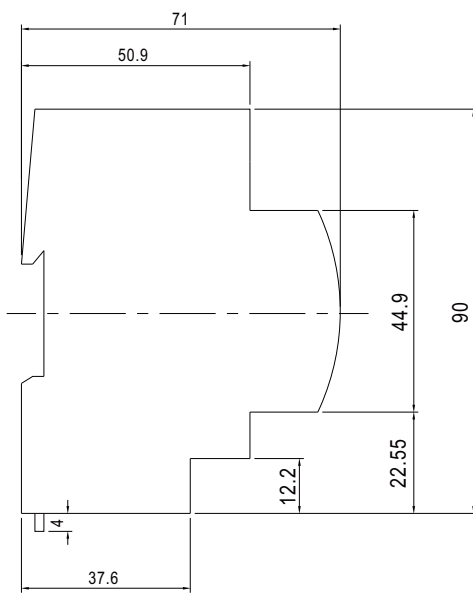
ADMISSIBLE DIN-RAIL:TS35/7.5 OR TS35/15

KNX LINE Coupler
KSC-01L

Bus State
Main   Sub
Traffic
GA   PA
Function ▼ Prog.
IP
TP
S
MADE IN EU

A1 : **Bus state KNX TP (Main line)**
green: Main line OK
red: Manual Function active

A2 : **Bus state KNX TP (Subline)**
green: Subline OK

A3 : **Telegram traffic KNX TP (Main line)**
green, blink.:   Telegram traffic extent
red, blink.:   Transmission error

A4 : **Telegram traffic KNX TP (Subline)**
green, blink.:   Telegram traffic extent
red, blink.:   Transmission error

A5 : **Group Address routing**
green: Filter active
orange: Route all
red: Block all
<off>:   Main line / subline different

A6 : **Physical Address routing**
green: Filter active
orange: Route all
red: Block all
<off>:   Main line / subline different

A7 : **Programming**
red: Program Mode

B1 : **Function button**

B2 : **Program button**

B3 : **KNX TP connector Main line**

B4 : **KNX TP connector Subline**

■ Configuration and Commissioning

The application program(data base) for ETS can be downloaded via

http://www.meanwell.com/productCatalog.aspx

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html