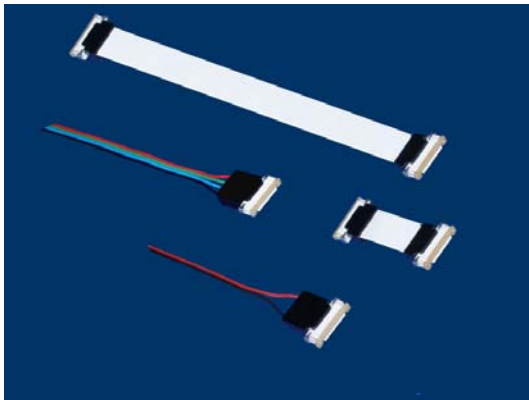


CONNECTsystem for LINEARlight Flex

LM-xx Flex



Benefits

- Universal feeder and connector for all LINEARlight Flex modules
- Assembly without tools
- Reduced assembly work schedule
- Highly shock resistant

Applications

- Connect system for LINEARlight Flex modules, LINEARlight POWER Flex, LINEARlight Colormix Flex

Technical Operating Data and Ordering Guide

Product	EAN *	S-Unit *	Max Voltage [V]	Max Current [A]	Diameter of Wire [mm ² / AWG]	Length of Wire [mm]
LM-2PIN Flex	4008321916211	100	25	2,1	0,14 / 26	500
LM-4PIN Flex	4008321916235	100	25	2,1	0,14 / 26	500
LM-CONN-10 Flex	4008321916259	200	25	2,1	0,057 / 30	10
LM-CONN-150 Flex	4008321931375	200	25	2,1	0,057 / 30	150

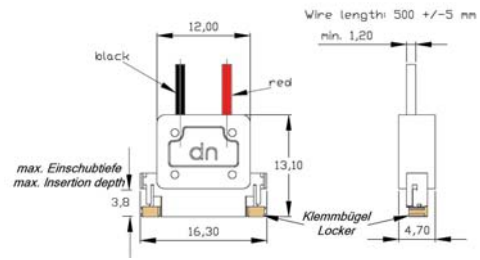
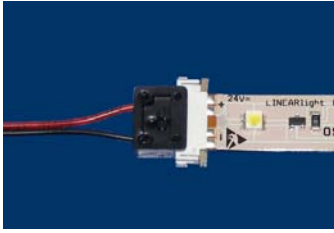
*) EAN: Bag containing 10 pieces
S-Unit: Modules per shipping unit

Technical Features

- Feeder LM-2PIN Flex for connection of all LINEARlight Flex and LINEARlight POWER Flex with power supply
- Feeder LM-4PIN Flex for connection of LINEARlight Colormix Flex with power supply. Wires are color-coded
- Board to board connection of two Flex modules: LM-CONN-10 Flex for short gaps, LM-CONN-150 Flex for longer gaps
- Allowed operating temperature suited to all LINEARlight Flex products
- Contact possible at the gable-end or at the splitting point
- Locker granting shock and vibration proofness according to IEC 60512
- Use only in indoor applications or in luminaires with IP67 rating

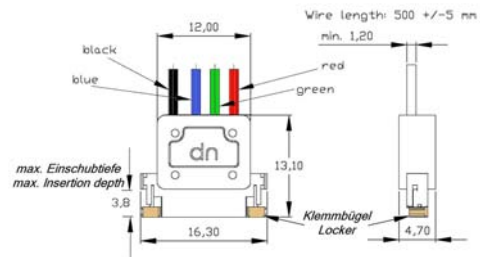
Drawings

LM-2PIN Flex



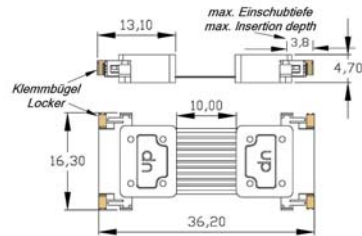
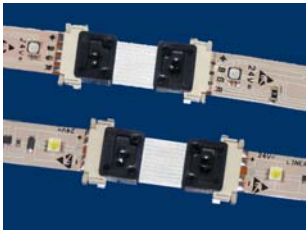
Housing PPS / Polyamide / black
Isolation of Wires PVC / black/red

LM-4PIN Flex



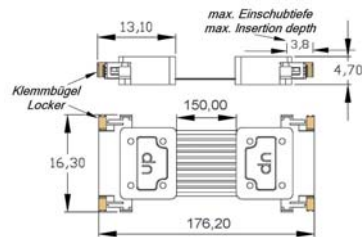
Housing PPS / Polyamide / black
Isolation of Wires PVC / black/blue/green/red

LM-CONN-10 Flex



Housing PPS / Polyamide / black
Isolation of Wires Aramid Paper / white

LM-CONN-150 Flex



Housing PPS / Polyamide / black
Isolation of Wires Aramid Paper / white

Safety Information

- All components of the CONNECTsystem Flex must be assembled to avoid any stress on the wires and/or board connectors. The installer must ensure that there is adequate strain relief between the board connection and the wiring.
- In order to maintain adequate electrical contact, please refrain from repeat removal, maximum of 5, of the CONNECTsystem Flex.
- Installation of LED modules (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- The connector has no inverse polarity protection. There will be no electrical function if connector is not well positioned or if polarity is inverse. Several modules can be damaged (see the respective module data sheet).
- The maximum operation current on page 1 may not be exceeded.
- For LM-4PIN Flex the maximum allowed current per cable is:
 - red, green, blue: 1A
 - black: 2,1A
- The CONNECTsystem Flex is designed for indoor application only. Any unprotected outdoor use is not allowed.
- A suitable enclosure IP67 is required if the system is to be exposed to humidity and /or dust. Condensation water in the IP67 enclosure is not allowed.

Assembly Information

- For electrical connection of the LINEARlight Flex modules open the locker by pulling and place the module in the slot. The "up" mark of the CONNECTsystem Flex must face towards to front side of the LED module for an electrical connection between the solder pads and the CONNECTsystem Flex. The CONNECTsystem Flex is locked by pushing the slot back.
- Pay attention to the correct polarity between feeder LM-xPIN Flex and LED module:
 - For the feeder LM-2PIN Flex connect the black cable to the '-' pole and the red cable to the '+' pole of the module
 - For the feeder LM-4PIN Flex connect the black cable to the '+' pole of the module and the red, green and blue cable to the R-, G-, B-poles (see fotos on page 2)
- Particular attention is required when using the connector for board to board connection: The '+' pole of the first module has to be connected to the '+' pole of the second module. In case of wrong polarity no light will be emitted and the modules can be damaged (see the respective module data sheet).

Sales and Technical Support

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Sales and technical support is given by the local OSRAM subsidiaries.
On our world wide homepage all OSRAM subsidiaries are listed with complete address and phone numbers.

Related and Further Information

- The new dimension of light 153 S006 GB
- Datasheets LINEARlight Flex (LM10A, LM11A), LINEARlight POWER Flex (LM10P), LINEARlight Colormix Flex (LM10L) www.osram.com/led-systems-downloads
- OSRAM LED systems www.osram.com/led-systems