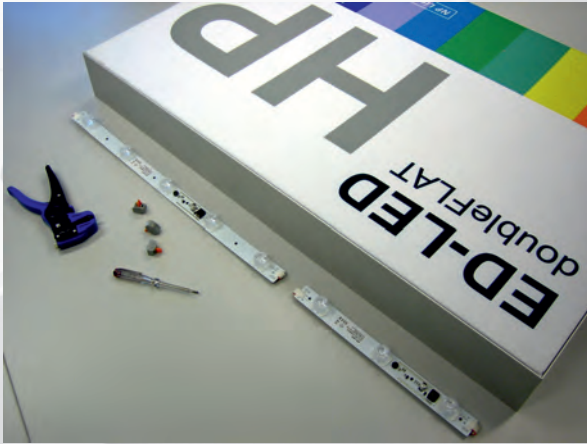
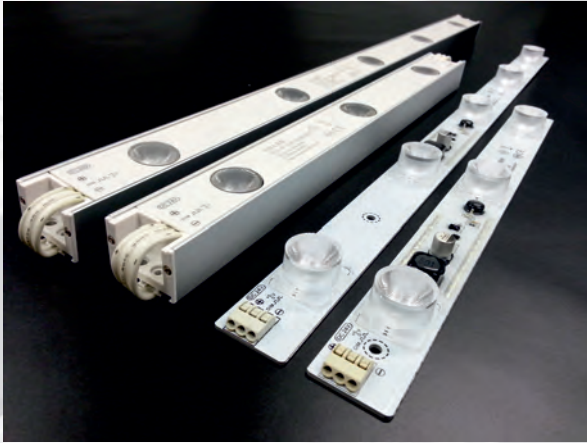


# ED LED Linebar

**Eurocom-Inc.**  
*Light years ahead!*

## Description



## Description

The ED-LED linear light source is a rigid strip light fitted with 3W high power EDISON LEDs. The high power LED is fitted with a 10 x 40 degree angle lense which focuses the light to a line. The linear light is a board with either 3 (12.7") or 5 (21.4") high power LEDs with optional ingress protection levels of Ip00 or Ip65. The average center to center (C2C) distance between each LED is 4.3".

## Application

The LED linear light source range can be used in architectural applications as wall washers whereby the unit is mounted horizontally to a wall to illuminate the vertical area above or below. The wall reflects the light giving the impression of a luminous surface.

ED-LEDs are also optimally suited to illuminate both single and double sided light boxes. For this purpose the ED-LED are mounted along the longest edges of the light boxes facing each other to give the shortest distance between the light sources. Compared to methods of direct illumination this is both a cost effective as well as a simple solution for lighting up areas of up to 78" diameter.

## Technology

The ED-LED range operate at a constant voltage 24v DC. Eurocom provides a wide range of LED power supplies designed to help you create long lasting and highly efficient lighting solutions. The long life expectancy is achieved by fitting the circuit boards with constant current controllers to prevent overheating and protecting the LEDs from voltage fluctuations. Up to 80W of ED-LED units can be connected in parallel fashion.

## Mounting

The ED-LED feature 3.5mm holes designed to let you mount the bars either by pop-riveting them or using screws. Please note that the IP00 version needs to be mounted on a thermally conductive surface in order to aid the cooling of the LEDs. The IP66 version, due to its aluminum extrusion, has adequate cooling built in. The use of double sided tape is not recommended to attach the IP00 version as it prevents heat transfer to the mounting substrate. If a heat transfer compound is available it should be used.

## Available Colors

The ED-LED come in 6000K standard, but warmer whites are available upon request.

## Dimming Controls

The built in dimming control allows for simple dimming operation using 5V PWM control voltage.

All technical data subject to change without notice.

# ED LED Linebar

## Technical Data

Eurocom-Inc.  
Light years ahead!

### The Perfect Choice for:

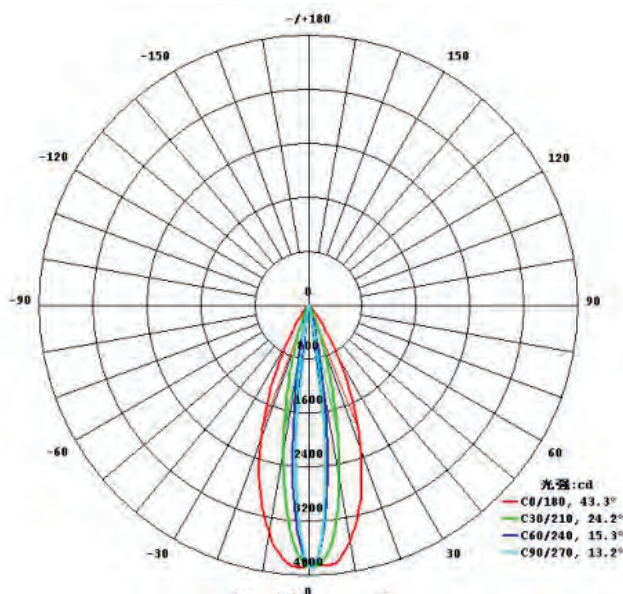
#### Light Boxes

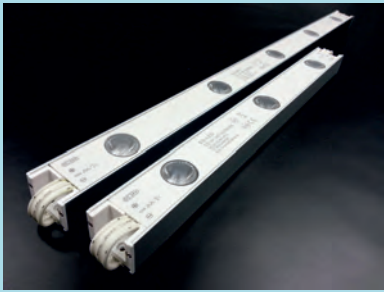
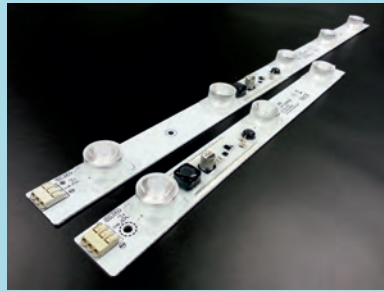
#### Large Area Backlighting

- our specially developed lenses ensure an even illumination of light-boxes
- EDISON High Power LED are suitable for installation at a depth of 3.15" for single sided and 4" for double sided light-boxes.
- Available for both wet and dry location
- Easy to install and easy to wire
- Integrated 5V PWM dimming circuit
- Available in 3000K and 6000K
- Long Life L70 of 22000 hours
- Built in Constant Current Control
- High efficiency
- Fulfill CE and RoHS environmental requirements.
- Self extinguishing according to UL94V2 flame test.



Lichtverteilungskurve / Linsentechnik



Technical Data	IP65		IP00	
				
Product	ED-IP-HP-03W60K	ED-IP-HP-05W60K	ED-HP-03W60K	ED-HP-05W60K
LED Quantity (pieces)	3	5	3	5
LED Spacing (inches)	4.3"			
Dimensions (L x W x H in inches)	12.7" x 1.18" x 0.9"	543 x 30 x 23	298 x 27,5 x 15,5	517,5 x 27,5 x 15,5
Weight (g)	280	460	57	92
Current (A)	0,28	0,46	0,28	0,46
Input Voltage (V)	DC 24			
Power Consumption(W)	6,8	11	6,8	11
Light Output (lm)	660	1100	660	1100
Efficiency Rating (lm/W)	97	100	97	100
LED Beam Angle (°)	10 x 40			
Dimming	5V PWM Signal			
Operating Temperature	-25 ... +60C°			
Storage Temperature	-25 ... +70C°			

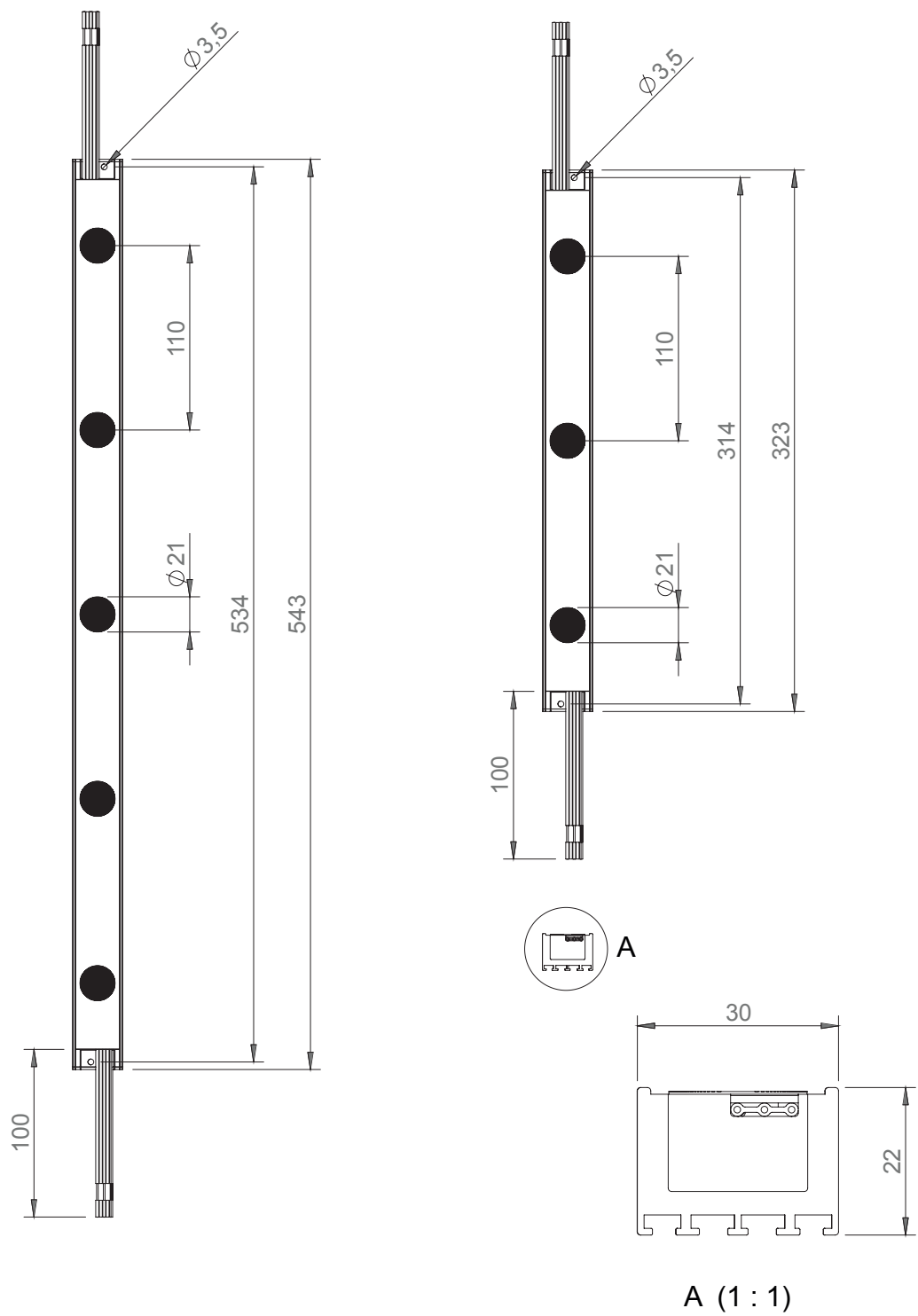
All technical data subject to change without notice.

# ED LED Linebar

Technical Drawing IP65 Series



Ip65  
Series



Dimensions in mm

All technical data subject to change without notice.

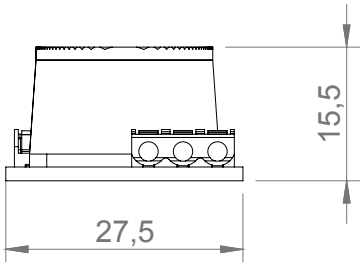
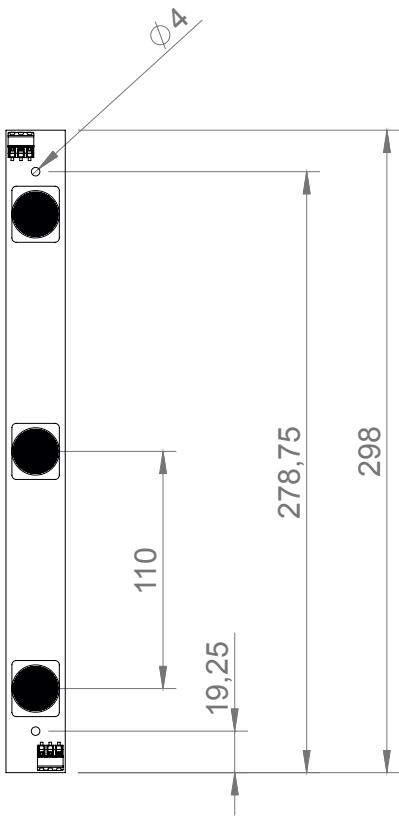
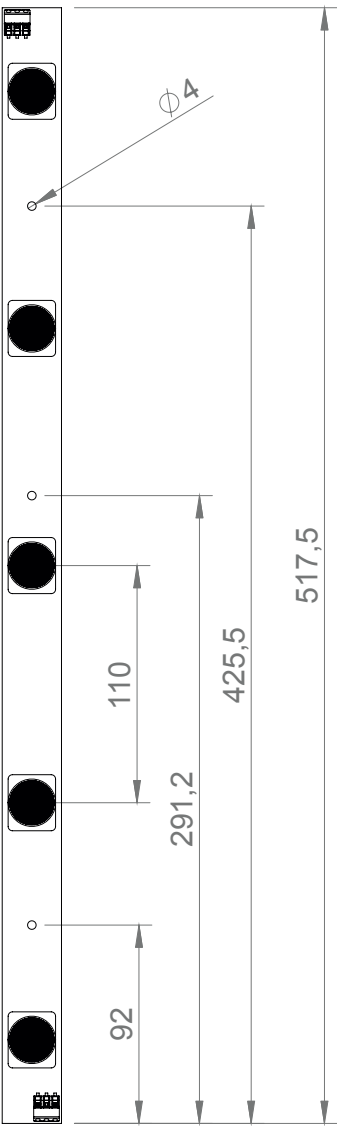


# ED LED Linebar

Technical Drawing IP00 Series



Ip00  
Series



A (1 : 1)

Dimensions in mm

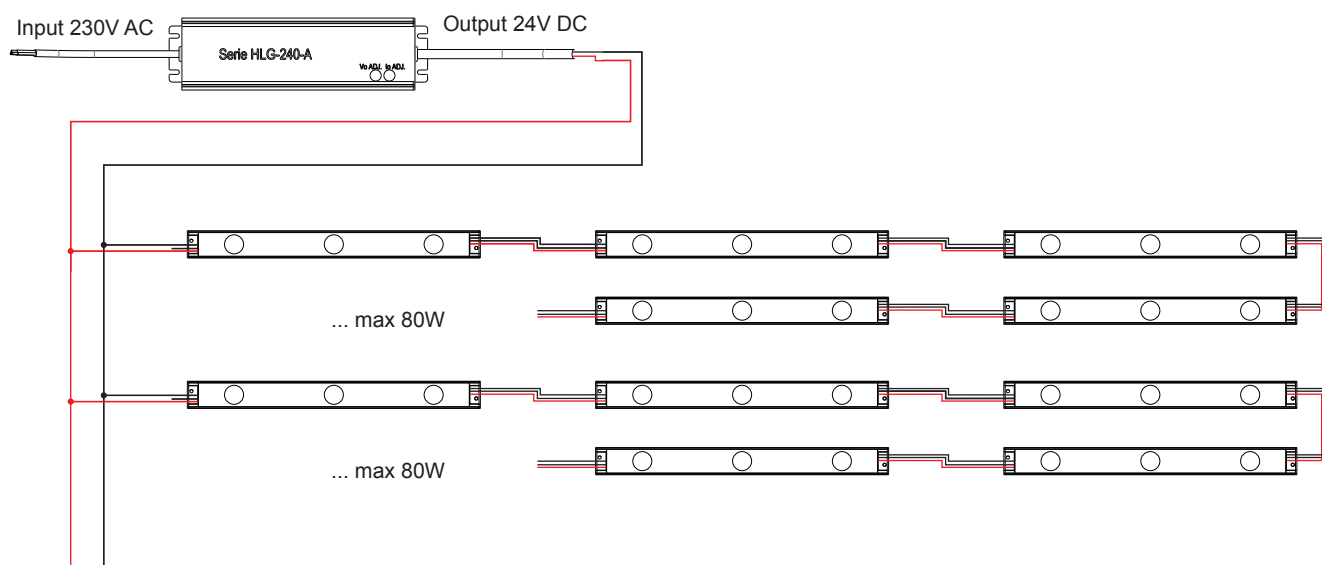
All technical data subject to change without notice.

# ED LED Linebar

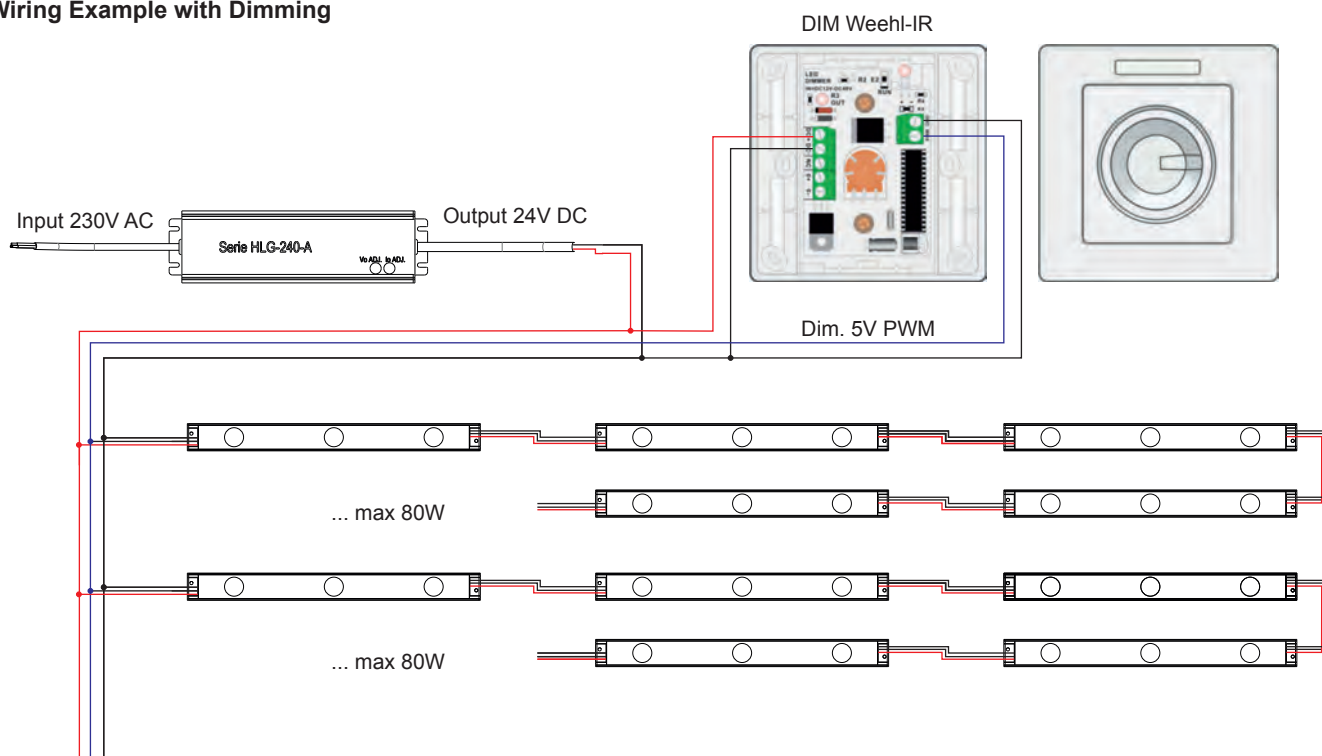
## Connection Instructions

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*Light years ahead!*

### Wiring Example Without Dimming



### Wiring Example with Dimming



#### Notice:

- 24V Parallel Circuit
- max. 80W per branch
- **Dimmable with 5V PWM signal**
- Power supplies should never be run beyond their rated specifications.

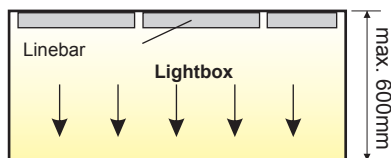
# ED LED Linebar

## Installation Instructions

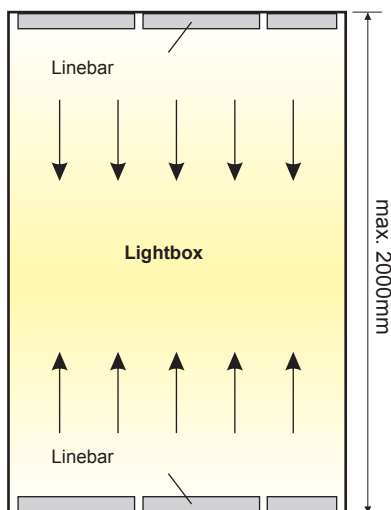
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### Positioning the ED LED Linebar within the Lightbox

#### one-sided illumination

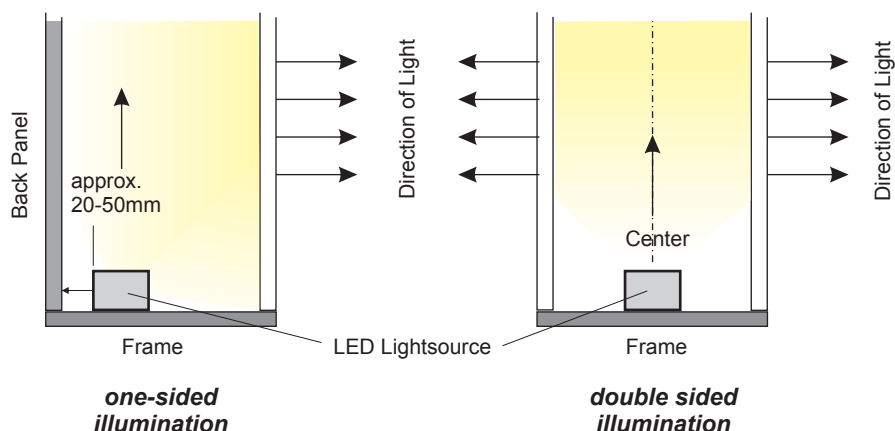


#### double-sided illumination



#### How to Attache the ED-LED to the Frame

The optimal position of the spotlights depends on both the dimensions as well as the material of the lightbox. The optimal position (distance from the backpanel) for the spotlights should always be determined prior to final assembly. The best results (in terms of light-output and uniformity) are achieved when using surfaces coated in matt alpine white.



### Connection Technology

for wet location

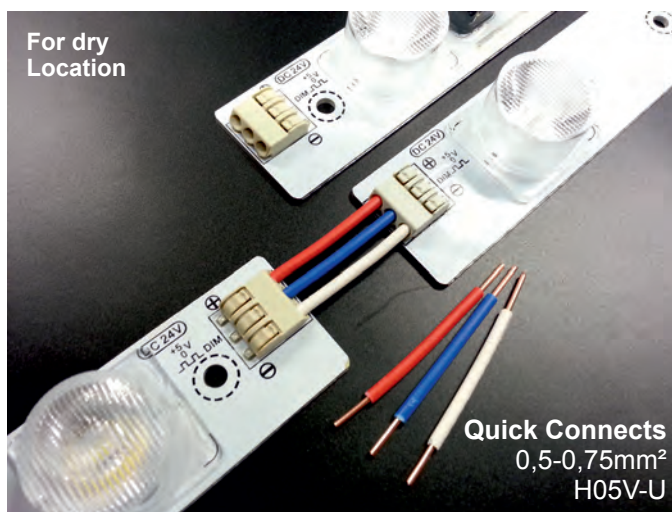
#### 3M Scotchluk U1R with gel filling

2-Wire Connection Extender  
Ext. diameter max. 3,18 mm  
Wire Gauge: 0,9 bis 1,3 mm  
Current max. 100V



Parallel Pliers required

For dry Location



**Quick Connects**  
0,5-0,75mm<sup>2</sup>  
H05V-U