

# Product data sheet

## LED controller 5-gang



### Reference number

39005 1S LED E

### KNX LED controller 5-gang

with manual electronic operation and LED status indication  
project design and commissioning with ETS5 or a more recent version  
ETS product family: Illumination  
Product type: Dimmer

### Intended use

- Dimmer for controlling LEDs, LED modules, LED spots, halogen lamps and incandescent lamps with 5 V ... 48 V (pulse width-modulated PWM)
- Mounting in false ceilings, surface mounting or in/ under furniture

### Product characteristics

- Dimmer for colour temperature and coloured light control (RGB/HSV)
- Different dimming characteristics settable (soft dimming, deep-down dimming)
- PWM frequency settable (211 ... 1200 Hz)
- Commissioning with display support
- Free configuration of the channels
- Integrated scenes and bit scenes
- Predefined and freely-definable sequences
- Time-controller dimming or Human Centric Lighting (HCL)
- Staircase lighting function
- Disabling function
- Measurement and meter function
- Diagnosis/indication of protection function via KNX group addresses and on display
- Electronic over-temperature protection
- Protection function for LED modules and power supply
- KNX Data Secure compatible with ETS 5.7.3 or higher

### Technical data

#### External supply

|                                   |                             |
|-----------------------------------|-----------------------------|
| Rated voltage:                    | DC 5 ... 48 V SELV          |
| KNX medium:                       | TP 256                      |
| Commissioning mode:               | S-mode                      |
| Rated voltage KNX:                | DC 21 ... 32 V SELV         |
| Current consumption KNX:          | max. 30 mA                  |
| Connection, KNX:                  | connection terminal         |
| PWM frequency:                    | 211 ... 1,200 Hz            |
| Total current over all 5 channels |                             |
| at 5 ... 24 V                     | max. 20 A                   |
| at 48 V                           | max. 10 A                   |
| Ambient temperature:              | -5 ... +45 °C               |
| Storage/transport temperature:    | -25 ... +75 °C              |
| Relative humidity:                | max. 93 % (no condensation) |
| Dimensions (L x W x H):           | 157 x 45 x 26 mm            |
| Connection                        |                             |
| Connection mode:                  | screw terminals             |

|                           |                                 |
|---------------------------|---------------------------------|
| single wire:              | 1 x 2.5 ... 4 mm <sup>2</sup>   |
| stranded without ferrule: | 1 x 0.5 ... 4 mm <sup>2</sup>   |
| stranded with ferrule:    | 1 x 0.5 ... 2.5 mm <sup>2</sup> |

