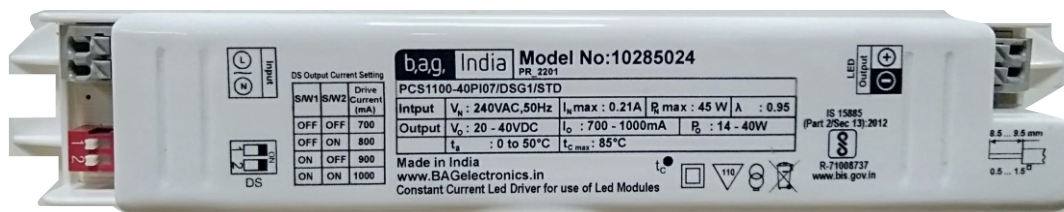


PCS-Linear-DS

Constant current control gear, 1-channel, non-dimmable



ECG versions

*Photograph is for viewing purpose. Technical data not to be drawn from this picture

| Order no. | Model |
|-----------|--|
| 10285024 | LEDC BAG PCS1100-40-PI07/DSG1/2201/STD |

Performance characteristics

- Non-dimmable 1-channel ECG for constant current operation of LED modules
- High efficiency >85 % (100 % load)
- Input voltage 160 - 300V
- Mains overvoltage protection upto 440 VAC
- Surge protection upto 4KV
- For use in combination with luminaires of protection class I
- ECG extensively protected against abnormal operating conditions at the output e.g. short-circuit, open circuit or overload.
- Conformance with international regulations, regarding safety and operation.
- Nominal service life: 30,000 hrs and operation at $t_c = t_{c,max}$
- Mains Overvoltage Shutdown above 300V

Applications



Office



Shops

Markings



PCS-Linear-DS

Constant current control gear, 1-channel, non-dimmable Gen-3

General Technical Data

| | |
|--|---|
| Mains voltage supply | |
| Rated voltage range | 240 V |
| Rated frequency | 50....60 Hz |
| Max. admissible input voltage range (AC) | 160 - 300V |
| Total harmonic distortion (THD) | < 10% |
| Output data | |
| Constant current | |
| Output current tolerance | +/- 10 % |
| Galvanic separation to mains input | Basic Insulation (1.5kV) |
| Interfaces and dimming operation | |
| Dimming Interface depending on ECG model | None |
| Starting time | |
| Time to 100% luminous flux | < 1 sec |
| Power factor | |
| 230 V (at full load) | > 0.95 |
| Efficiency (Typ.) | |
| Full load | > 85% |
| Protection functions | |
| Open-circuit operation | <60VDC |
| Output short circuit operation | Ok |
| Connection Terminals | |
| For solid or stranded wire | |
| Type | Push terminal |
| Wire cross section | 0.5 mm ² - 1.5 mm ² |
| Wire stripping length | 8.5 mm - 9.5 mm |
| Wire lengths | |
| Max. wire length to LED module | < 2 m |
| Thermal protected device | |
| Max.surface temperature acc. EN 61347-2-13/C5C | +110° C |
| Degree of protection | |
| Degree of protection | IP 20 |
| Surge Level | 4KV |

Temperatures (operation)

| Order no. | Model | Ambient (t _a) | Case (t _c) |
|-----------|--|---------------------------|------------------------|
| 10285024 | LEDC BAG PCS1100-40-PI07/DSG1/2201/STD | 0° C...50° C | MAX.85° C |

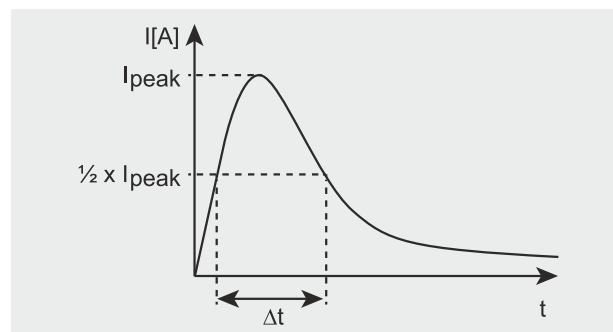
PCS-Linear-DS

Constant current control gear, 1-channel, non-dimmable

Circuit breaker / Inrush current

| Model Description | typ. Ipeak / Δt | No. of ECG at single-pole circuit breakers | | | | |
|-------------------|-----------------|--|------|------|------|------|
| | | LS-Type | 10 A | 16 A | 20 A | 25 A |
| 10285024 | 35 A/49 us | B | 47 | 75 | 94 | 118 |
| | | C | 47 | 75 | 94 | 118 |

Typical current - time profile when switching on



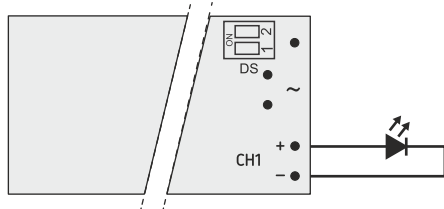
- Data for $U_{supply} = 230$ VAC, mains impedance = 1 Ω
- In case of multi-polar CB the maximum number is reduced by 20 %
- The max. number may differ depending on CB manufacturer. Please consider the specifications of the manufacturer.
- Basically, CB with C-characteristics are recommended to be used in lighting groups.

Operating data

| Order No. | Model Description | Input power W | Power factor | ECG efficiency % | Output currents mA | Output voltage VDC | Total output power W |
|-----------|--|---------------|--------------|------------------|--------------------|--------------------|----------------------|
| 10285024 | LEDC BAG PCS1100-40-PI07/DSG1/2201/STD | 45 | >0.95 | 85% | 700-1000mA | 20-40 | 40 |

All specifications with 240 VAC nominal operation and 100 % load

Wiring diagrams



PCS-Linear-DS

Constant current control gear, 1-channel, non-dimmable

Case Dimensions

| Order no. | Length X mm | Width Y mm | Height Z mm | Hole spacing X _u (length direction) mm | Hole spacing Y _u (width direction) mm | Hole spacing Z _u (height direction) mm |
|-----------|----------------|---------------|----------------|---|--|---|
| 10285024 | 180 | 30 | 24 | - | - | - |

Logistic data

| Order no. | Model Description | Weight ECG kg | ECG Qty/ 1 Box PC | Dimensions packaging unit mm | Weight packaging unit kg | ECG Qty/ 1 Pallet PC |
|-----------|--|---------------------|----------------------|------------------------------------|--------------------------------|-------------------------|
| 10285024 | LEDC BAG PCS1100-40-PI07/DSG1/2201/STD | 0.110 | 80 | 280x200x115 | 4.51 | 5280 |

Conformance with regulations (Compliance to relevant clauses)

IS15885(PART- 2/SEC 13)

| | |
|---------------|---|
| EN 61347-1 | General and safety requirements |
| EN 61347-2-13 | Particular requirement for DC or AC supplied electronic control gear for LED modules |
| EN 62 384 | Performance characteristics: DC or AC supplied electronic control gear for LED modules Module |
| EN 61 547 | Equipment for general lighting purposes EMC immunity requirements |

Environmental tests for mechanical capacity:

| | |
|----------------|-----------------------------------|
| IEC 60068-2-6 | Test Fc : vibrations (sinusoidal) |
| IEC 60068-2-27 | Test Ea : shock and bump |
| IEC 60068-2-29 | Test Eb : shock and bump |

Quality management certified according to ISO 9001

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