



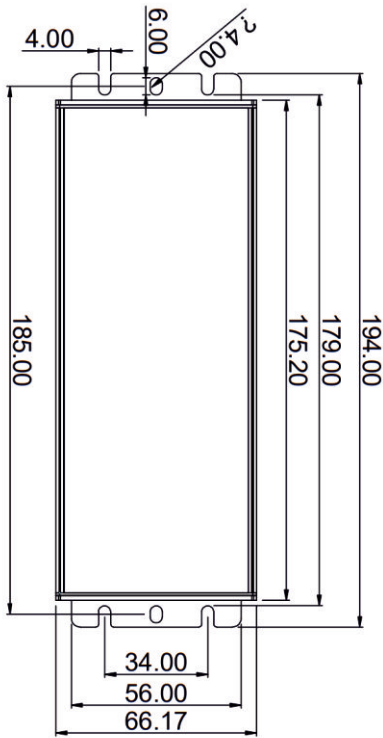
LED DRIVER SCC-200

Ordering code: SCC200XXX (XXX - number of model)

The LED DRIVER SCC-200 is programmable driver with multiple dimming capability 0-10 V or PWM and adjustable output current by software.

Features

- ✓ One-way powerline communication QM-50-SSI3
- ✓ Built-in module for smart dimming and power line control
- ✓ Adjustable output current by software
- ✓ Protections: SCP/OVP/OTP
- ✓ IP67 design for indoor and outdoor applications;



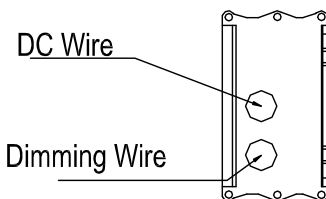
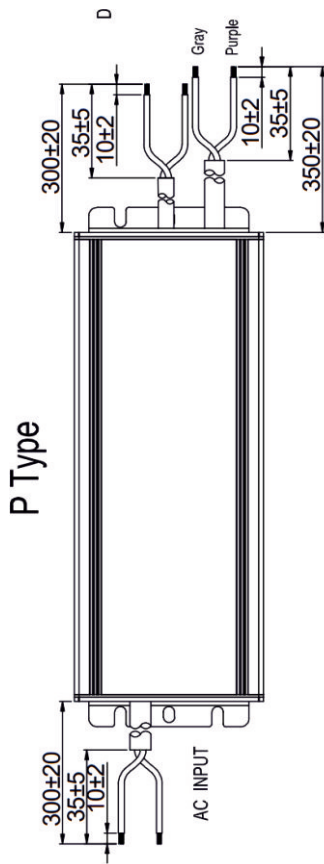
| Parameter | Value | | | | | |
|---|-----------|--------|-------|----------|----------|----------|
| | 041 | 062 | 096 | 143 | 191 | 286 |
| Model | 041 | 062 | 096 | 143 | 191 | 286 |
| Efficiency (%) | 93 | 93.8 | 93.6 | 93.5 | 93.2 | 93 |
| Output Voltage Range (V) | 20-41 | 38-62 | 48-96 | 70-143 | 96-191 | 143-286 |
| Rated Current (A) | 4.88-6.67 | 3.23-5 | 2.1-3 | 1.4-2.1 | 1.05-1.5 | 0.7-1.05 |
| Output Current Setting Range/ Dimming Range (A) | 0.67-6.67 | 0.5-5 | 0.3-3 | 0.21-2.1 | 0.15-1.5 | 0.1-1.05 |

| Parameter | Value |
|-------------------------|--|
| Input voltage | AC 220 V ~ 240 V; 50 Hz |
| Power Factor | >0.95/AC 230 V |
| Rated power | 200 W |
| Communication interface | 2-way powerline QM-50-SSI3 |
| THD | THD<10% when output loading \geq 50% at AC 230 V |
| AC Current (Max.) | 1.2 A max. at AC 230 V |
| Inrush Current (Max.) | COLD START 75A(twidth=332 μ s measured at 50% Ipeak) at AC 230 V |



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| Parameter | Value |
|---|--|
| MAX. No. of PSUs on 16A Circuit Breaker | 3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at AC 230 V |
| Ripple Current (Typ.) | 5% of I_{o_max} . ((PK-AV) / AV) with LED loading mode and full load) |
| Current Tolerance | <5% |
| Short Circuit Protect (SCP) | Hiccup mode, recover automatically with short circuit removed. |
| Over Voltage Protect (OVP) | Output current is decreased if the required loading voltage is higher than MAX. output voltage. |
| Over Temperature Protect (OTP) | Decrease the output current, but not less than 20% of rated output current, recover automatically once the fault condition is removed. |
| Working Temperature | -40~+60°C |
| Max. Case Temperature (Tc) | 90°C max |
| Storage Temp., Humidity | -40~+85°C, 10-95%RH |
| Vibration | 10-500Hz, 5G 12min/cycle, period for 72min each along X、Y、Z axes |
| MTBF | 200000Hrs @25°C±10°C ambient temperature, 230Vac,80% load (MIL-HDBK-217F) |



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| Parameter | Value |
|----------------------|--|
| Lifetime | 50000Hrs@80°C case temperature (Refer to 'Lifetime Curve') |
| Dimension (LxWxH) | 194*66.2*38.5 mm |
| Weight (Typ.) | 1000±100g |
| Withstand Voltage | I/P-O/P: 3.75kVac, I/P-FG:1.75kVac, O/P-FG:1.5kVac |
| Isolation Resistance | I/P-O/P, I/P-FG, O/P-FG: 100M Ohms (500VDC / 25°C/ 70% RH) |
| EMC Emission | FCC Part 15 Class B/ EN55015, EN61000-3-2 Class C, EN61000-3-3 |
| EMC Immunity | EN61000-4-2,3,4,5,6,8,11, EN61547 (Surge: L-N: ±5kV, L,N-FG: ±10kV) |
| Safety Standard | UL8750, CSA C22.2 No. 250.13-12; ENEC EN61347-1, EN61347-2-13 independent, EN62384; GB19510.1,GB19510.14 |