

## ELEMENT EM FIT SELV

线型 / 面型恒流灯 – 不可调光



### 应用领域

- 商店照明
- Industry lighting

### 产品优势

- 小型外壳设计
- Long lasting and high reliability
- High light quality due to low ripple current

### 产品特点

- 线路频率：50 Hz | 60 Hz
- 电源电压：220至240 V
- Wide output voltage range
- Fixed output (no dimming)

产品系列数据表

技术参数

电参数

| 产品描述                         | 标称电压        | 市电频率     | 交流输入电压      | Current set | 功率因数 λ              |
|------------------------------|-------------|----------|-------------|-------------|---------------------|
| EM FIT 18/220...240/350 CS L | 220...240 V | 50/60 Hz | 198...264 V | DipSwitch   | 0.95 <sup>1)</sup>  |
| EM FIT 40/220...240/800 CS L | 220...240 V | 50/60 Hz | 198...264 V | DipSwitch   | 0.95 <sup>1)</sup>  |
| EM FIT 60/220...240/1A2 CS L | 220...240 V | 50/60 Hz | 198...264 V | DipSwitch   | 0.95 <sup>1)</sup>  |
| EM FIT 75/220...240/1A6 CS L | 220...240 V | 50/60 Hz | 198...264 V | DipSwitch   | 0.95 <sup>14)</sup> |

| 产品描述                         | Efficiency in full-load |  | 设备功率损耗              | 浪涌电流                 | 使用10A过载保护器时最大 ECG连接数 | 使用10A过载保护器时最大 ECG连接数 |
|------------------------------|-------------------------|--|---------------------|----------------------|----------------------|----------------------|
| EM FIT 18/220...240/350 CS L | 84 % <sup>2)</sup>      |  | 3.4 W <sup>3)</sup> | 35 安培 <sup>4)</sup>  | 30                   | 50                   |
| EM FIT 40/220...240/800 CS L | 87 % <sup>2)</sup>      |  | 6.1 W <sup>3)</sup> | 45 安培 <sup>10)</sup> | 14                   | 24                   |
| EM FIT 60/220...240/1A2 CS L | 88 % <sup>2)</sup>      |  | 7.7 W <sup>3)</sup> | 50 安培 <sup>12)</sup> | 13                   | 19                   |
| EM FIT 75/220...240/1A6 CS L | 89 % <sup>2)</sup>      |  | 9.7 W <sup>3)</sup> | 60 安培 <sup>15)</sup> | 7                    | 12                   |

| 产品描述                         | 16 A 断路器上的 ECG 最大数量 | 16 A 断路器上的 ECG 最大数量 | 25 A 断路器上的 ECG 最大数量 | 16 A 断路器上的 ECG 最大数量 | 浪涌承受能力 (L/N-Ground) |
|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| EM FIT 18/220...240/350 CS L | 48                  | 80                  | 75                  | 125                 | 2 kV <sup>5)</sup>  |
| EM FIT 40/220...240/800 CS L | 23                  | 39                  | 36                  | 61                  | 2 kV <sup>5)</sup>  |
| EM FIT 60/220...240/1A2 CS L | 20                  | 30                  | 32                  | 47                  | 2 kV <sup>5)</sup>  |
| EM FIT 75/220...240/1A6 CS L | 12                  | 20                  | 18                  | 31                  | 2 kV <sup>5)</sup>  |

| 产品描述                         | 浪涌承受能力 (L-N) | 标称输出电压                   | 标称输出电流                                     | Output PSTLM |
|------------------------------|--------------|--------------------------|--------------------------------------------|--------------|
| EM FIT 18/220...240/350 CS L | 1 kV         | 27...51 V <sup>6)</sup>  | 200 / 250 / 300 / 350 毫安 <sup>7)</sup>     | ≤1           |
| EM FIT 40/220...240/800 CS L | 1 kV         | 27...51 V <sup>11)</sup> | 500 / 600 / 700 / 800 毫安 <sup>7)</sup>     | ≤1           |
| EM FIT 60/220...240/1A2 CS L | 1 kV         | 27...51 V <sup>13)</sup> | 900 / 1050 / 1100 / 1200 毫安 <sup>7)</sup>  | ≤1           |
| EM FIT 75/220...240/1A6 CS L | 1 kV         | 27...51 V <sup>16)</sup> | 1300 / 1400 / 1500 / 1600 毫安 <sup>7)</sup> | ≤1           |

| 产品描述                         | Output SVM | 标称输出功率        | Maximum output power | 输出纹波电流 ( 100 Hz)     |
|------------------------------|------------|---------------|----------------------|----------------------|
| EM FIT 18/220...240/350 CS L | ≤0.4       | 5.4...17.85 W | 17.8 W               | < 10 % <sup>8)</sup> |
| EM FIT 40/220...240/800 CS L | ≤0.4       | 13.5...40.8 W | 40.8 W               | < 10 % <sup>8)</sup> |
| EM FIT 60/220...240/1A2 CS L | ≤0.4       | 24.3...61.2 W | 61.2 W               | < 10 % <sup>8)</sup> |
| EM FIT 75/220...240/1A6 CS L | ≤0.4       | 35.1...81.6 W | 81.6 W               | < 10 % <sup>8)</sup> |

产品系列数据表

| 产品描述                         | U-OUT ( 工<br>作电压 ) | Total<br>harmonic<br>distortion | Output<br>current<br>tolerance | Galvanic isolation |
|------------------------------|--------------------|---------------------------------|--------------------------------|--------------------|
| EM FIT 18/220...240/350 CS L | < 60 V             | < 20 % <sup>9)</sup>            | ±7.5 %                         | SELV               |
| EM FIT 40/220...240/800 CS L | < 60 V             | < 20 % <sup>9)</sup>            | ±7.5 %                         | SELV               |
| EM FIT 60/220...240/1A2 CS L | < 60 V             | < 20 % <sup>9)</sup>            | ±7.5 %                         | SELV               |
| EM FIT 75/220...240/1A6 CS L | < 60 V             | < 20 % <sup>9)</sup>            | ±7.5 %                         | SELV               |

- 1) 230 V时达到满负荷/50 Hz
- 2) at 230 V, 50 Hz
- 3) 在 230 V
- 4)  $t_{width} = 80 \mu s$  typical (measured at 50 %  $I_{peak}$ )
- 5) L/N – PE acc to EN 61547 Clause 5.7
- 6) At 200/250 mA output current / At 300/350 mA output current
- 7) ±7.5%
- 8) Ripple average at 100 Hz
- 9) At full load, 230 V, 50 Hz / see graphs
- 10)  $t_{width} = 130 \mu s$  typical (measured at 50 %  $I_{peak}$ )
- 11) At 500/600/700/800 mA output current
- 12)  $t_{width} = 140 \mu s$  typical (measured at 50 %  $I_{peak}$ )
- 13) At 900/1050/1100/1200 mA output current
- 14) 230 V半载条件下/50 Hz
- 15)  $t_{width} = 190 \mu s$  typical (measured at 50 %  $I_{peak}$ )
- 16) At 1300/1400/1500/1600 mA output current

尺寸和重量

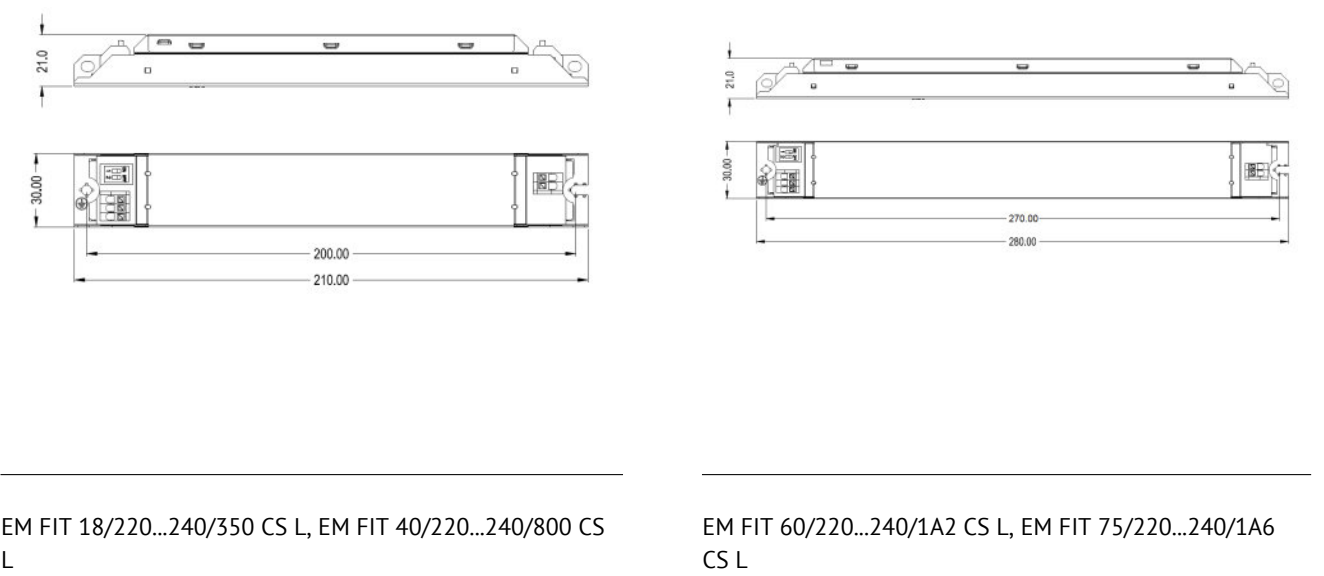
| 产品描述                         | 安装孔距, 长度 | 产品重量     | 输入端线缆截面                                   | 电缆截面积, 输出端                                | 预留线缆长度, 输入端 |
|------------------------------|----------|----------|-------------------------------------------|-------------------------------------------|-------------|
| EM FIT 18/220...240/350 CS L | 200.0 mm | 140.00 g | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> | 7...8 mm    |
| EM FIT 40/220...240/800 CS L | 200.0 mm | 140.00 g | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> | 7...8 mm    |
| EM FIT 60/220...240/1A2 CS L | 270.0 mm | 190.00 g | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> | 7...8 mm    |
| EM FIT 75/220...240/1A6 CS L | 270.0 mm | 210.00 g | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> | 7...8 mm    |

| 产品描述                         | 高度      | 宽度      | 预留线缆长度, 输出端 | 长度       |
|------------------------------|---------|---------|-------------|----------|
| EM FIT 18/220...240/350 CS L | 21.0 mm | 30.0 mm | 7...8 mm    | 210.0 mm |
| EM FIT 40/220...240/800 CS L | 21.0 mm | 30.0 mm | 7...8 mm    | 210.0 mm |
| EM FIT 60/220...240/1A2 CS L | 21.0 mm | 30.0 mm | 7...8 mm    | 280.0 mm |
| EM FIT 75/220...240/1A6 CS L | 21.0 mm | 30.0 mm | 7...8 mm    | 280.0 mm |

- 1) 固态或软导线

产品系列数据表

产品系列标有数字



颜色和材料

| 产品描述                         | 壳体材料 |
|------------------------------|------|
| EM FIT 18/220...240/350 CS L | 金属   |
| EM FIT 40/220...240/800 CS L | 金属   |
| EM FIT 60/220...240/1A2 CS L | 金属   |
| EM FIT 75/220...240/1A6 CS L | 金属   |

温度

| 产品描述                         | 环境温度范围       | 温度系数测试点最高温度 | 故障时最高外壳温度 | 仓储温度范围       |
|------------------------------|--------------|-------------|-----------|--------------|
| EM FIT 18/220...240/350 CS L | -20...+50 °C | 65 °C       | 110 °C    | -40...+85 °C |
| EM FIT 40/220...240/800 CS L | -20...+50 °C | 75 °C       | 110 °C    | -40...+85 °C |
| EM FIT 60/220...240/1A2 CS L | -20...+50 °C | 75 °C       | 110 °C    | -40...+85 °C |
| EM FIT 75/220...240/1A6 CS L | -20...+50 °C | 75 °C       | 110 °C    | -40...85 °C  |

| 产品描述                         | 相对湿度                   |
|------------------------------|------------------------|
| EM FIT 18/220...240/350 CS L | 5...90 % <sup>1)</sup> |
| EM FIT 40/220...240/800 CS L | 5...90 % <sup>1)</sup> |
| EM FIT 60/220...240/1A2 CS L | 5...90 % <sup>1)</sup> |
| EM FIT 75/220...240/1A6 CS L | 5...90 % <sup>1)</sup> |

产品系列数据表

1) 不凝固的

寿命

| 产品描述                         | ECG 寿命                        |
|------------------------------|-------------------------------|
| EM FIT 18/220...240/350 CS L | 35000 / 50000 h <sup>1)</sup> |
| EM FIT 40/220...240/800 CS L | 35000 / 50000 h <sup>2)</sup> |
| EM FIT 60/220...240/1A2 CS L | 35000 / 50000 h <sup>2)</sup> |
| EM FIT 75/220...240/1A6 CS L | 35000 / 50000 h <sup>2)</sup> |

1) 最大 T<sub>C</sub> 温度 = 65°C / 10% 失效率 / At maximum T<sub>C</sub> = 60°C / 10% failure rate

2) 最大 T<sub>C</sub> 温度 = 75°C / 10% 失效率 / 最大 T<sub>C</sub> 温度 = 65°C / 10% 失效率

更多的产品数据

| 产品描述                         | Encapsulated |
|------------------------------|--------------|
| EM FIT 18/220...240/350 CS L | 否            |
| EM FIT 40/220...240/800 CS L | 否            |
| EM FIT 60/220...240/1A2 CS L | 否            |
| EM FIT 75/220...240/1A6 CS L | 否            |

功能

| 产品描述                         | 可调光 | 过热保护 | 过载保护 |
|------------------------------|-----|------|------|
| EM FIT 18/220...240/350 CS L | 否   | 自动可逆 | 自动可逆 |
| EM FIT 40/220...240/800 CS L | 否   | 自动可逆 | 自动可逆 |
| EM FIT 60/220...240/1A2 CS L | 否   | 自动可逆 | 自动可逆 |
| EM FIT 75/220...240/1A6 CS L | 否   | 自动可逆 | 自动可逆 |

| 产品描述                         | Short-circuit protection | 标准空<br>载符合 | Intended for no-load<br>operation | 至灯/LED<br>模块的最大<br>电缆长度 |
|------------------------------|--------------------------|------------|-----------------------------------|-------------------------|
| EM FIT 18/220...240/350 CS L | 自动可逆                     | 是          | 否                                 | 2.0 m <sup>1)</sup>     |
| EM FIT 40/220...240/800 CS L | 自动可逆                     | 是          | 否                                 | 2.0 m <sup>1)</sup>     |
| EM FIT 60/220...240/1A2 CS L | 自动可逆                     | 是          | 否                                 | 2.0 m <sup>1)</sup>     |
| EM FIT 75/220...240/1A6 CS L | 自动可逆                     | 是          | 否                                 | 2.0 m <sup>1)</sup>     |

| 产品描述                         | 适合带防护等级的<br>固件 | Number of channels |
|------------------------------|----------------|--------------------|
| EM FIT 18/220...240/350 CS L | I              | 1                  |
| EM FIT 40/220...240/800 CS L | I              | 1                  |
| EM FIT 60/220...240/1A2 CS L | I              | 1                  |
| EM FIT 75/220...240/1A6 CS L | I              | 1                  |

1) Output wires must be routed as close as possible to each other

产品系列数据表

Programming

| 产品描述                         | Programming device |
|------------------------------|--------------------|
| EM FIT 18/220...240/350 CS L | DIPswitch          |
| EM FIT 40/220...240/800 CS L | DIPswitch          |
| EM FIT 60/220...240/1A2 CS L | DIPswitch          |
| EM FIT 75/220...240/1A6 CS L | DIPswitch          |

认证与标准

| 产品描述                         | 认证标志 – 认证                             | 标准                                                                                                                         | 防护类型 |
|------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------|
| EM FIT 18/220...240/350 CS L | CE / CCC / EAC /<br>ENEC / RCM / UKCA | 根据 IEC 61347-1标准/根<br>据 IEC 61347-2-13标准<br>/根据 IEC 62384标准/根<br>据 IEC 61000-3-2标准/根<br>据 IEC 61547标准/CISPR<br>15/EN 55015 | IP20 |
| EM FIT 40/220...240/800 CS L | CE / ENEC / RCM /<br>EAC / CCC / UKCA | 根据 IEC 61347-1标准/根<br>据 IEC 61347-2-13标准<br>/根据 IEC 62384标准/根<br>据 IEC 61000-3-2标准/根<br>据 IEC 61547标准/CISPR<br>15/EN 55015 | IP20 |
| EM FIT 60/220...240/1A2 CS L | CE / CCC / EAC /<br>ENEC / RCM / UKCA | 根据 IEC 61347-1标准/根<br>据 IEC 61347-2-13标准<br>/根据 IEC 62384标准/根<br>据 IEC 61000-3-2标准/根<br>据 IEC 61547标准/CISPR<br>15/EN 55015 | IP20 |
| EM FIT 75/220...240/1A6 CS L | CE / CCC / ENEC /<br>RCM / EAC / UKCA | 根据 IEC 61347-1标准/根<br>据 IEC 61347-2-13标准<br>/根据 IEC 62384标准/根<br>据 IEC 61000-3-2标准/根<br>据 IEC 61547标准/CISPR<br>15/EN 55015 | IP20 |

物流数据

| 产品描述                         | 商品编码        |
|------------------------------|-------------|
| EM FIT 18/220...240/350 CS L | 85044083900 |
| EM FIT 40/220...240/800 CS L | 85044083900 |
| EM FIT 60/220...240/1A2 CS L | 85044083900 |
| EM FIT 75/220...240/1A6 CS L | 85044083900 |

产品系列数据表

Environmental information  
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

| 产品描述                         | Date of Declaration | Primary Article Identifier | Candidate List Substance 1 |
|------------------------------|---------------------|----------------------------|----------------------------|
| EM FIT 18/220...240/350 CS L | 19-05-2023          | 4062172219976              | Lead                       |
| EM FIT 40/220...240/800 CS L | 19-05-2023          | 4062172219990              | Lead                       |
| EM FIT 60/220...240/1A2 CS L | 19-05-2023          | 4062172220019              | Lead                       |
| EM FIT 75/220...240/1A6 CS L | 19-05-2023          | 4062172220033              | Lead                       |

| 产品描述                         | CAS No. of substance 1 | Safe Use Instruction                                                                               | Declaration No. in SCIP database     |
|------------------------------|------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------|
| EM FIT 18/220...240/350 CS L | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 5329cfb5-aa6f-4d34-9df0-915b226f9303 |
| EM FIT 40/220...240/800 CS L | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | dc1ea54e-bbf5-4186-9177-3f36ddfe210d |
| EM FIT 60/220...240/1A2 CS L | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 50125d52-0a48-4ca7-9471-2eb660ca0396 |
| EM FIT 75/220...240/1A6 CS L | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 39ca20a0-60fd-4c7b-8120-5af2ddea52d9 |

应用建议

更多详细应用信息和图形,请参阅产品数据表。

销售和技术支持

销售和技术支持 [www.osram.cn](http://www.osram.cn)

下载数据

| 文件                                                                                  |                                                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|
|  | User instruction<br>ELEMENT LED Power Supply            |
|  | 证书<br>OT constant current EAC DE PA01 B 34987 21 071221 |
|  | 证书<br>EM FIT CS L CB NL 74845 071221                    |

产品系列数据表

|                                                                                   |                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------|
|  | 证书<br>EM FIT CS L&D CS L ENEC 35 120653 071221      |
|  | 证书<br>EM FIT 18 CS L CCC 2021171002004173 071221    |
|  | 证书<br>NSW27964 2 certificate of EM FIT CS L         |
|  | 证书<br>EM FIT 40 CS L CCC 2021171002004174 071221    |
|  | 证书<br>EM FIT 60 75 CS L CCC 2021171002004191 071221 |

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

物流数据

| 产品代码          | 产品描述                         | 包装单位 ( 件/单位 ) | 尺寸 ( 长 x 宽 x 高 )        | 体积                   | 毛重        |
|---------------|------------------------------|---------------|-------------------------|----------------------|-----------|
| 4062172219976 | EM FIT 18/220...240/350 CS L | 箱<br>20       | 375 mm x 250 mm x 75 mm | 7.03 dm <sup>3</sup> | 3234.00 g |
| 4062172219990 | EM FIT 40/220...240/800 CS L | 箱<br>20       | 375 mm x 250 mm x 75 mm | 7.03 dm <sup>3</sup> | 3234.00 g |
| 4062172220019 | EM FIT 60/220...240/1A2 CS L | 箱<br>20       | 375 mm x 320 mm x 75 mm | 9.00 dm <sup>3</sup> | 4379.00 g |
| 4062172220033 | EM FIT 75/220...240/1A6 CS L | 箱<br>20       | 375 mm x 320 mm x 75 mm | 9.00 dm <sup>3</sup> | 4779.00 g |

这里所提到的产品编码代表最小订购数量。一个整件包装含有一个或多个单一产品。请您在下单时，按一个或多个整件数下单。

免责声明

更改恕不另行通知。遗漏错误不承担任何责任。总是确保使用最新的信息。