

COSEL

On-board type

SFCS15

 (LVD)
 


Ordering information

SFC **S** **15** **24** **05** **C**
 ① ② ③ ④ ⑤ ⑥

- ① Series name
 ② Single output
 ③ Output wattage
 ④ Input voltage
 24:DC18 – 36V
 ⑤ Output voltage
 ⑥ Mounting type
 C : DIP

| | | |
|-----------------------|-------------|------------|
| MODEL | SFCS15243R3 | SFCS152405 |
| MAX OUTPUT WATTAGE[W] | 14.85 | 15.0 |
| DC OUTPUT | 3.3V 4.5A | 5V 3A |

SPECIFICATIONS

| | MODEL | SFCS15243R3 | SFCS152405 |
|-------------------------------|--------------------------------------|---|------------|
| INPUT | VOLTAGE[V] | DC18 – 36 | |
| | CURRENT[A] *1 | 0.7typ | 0.69typ |
| | EFFICIENCY[%] *1 | 89typ | 90typ |
| | START-UP VOLTAGE[V] | DC16 – 18 | |
| | HYSTERESIS VOLTAGE[V] | DC1 min | |
| OUTPUT | VOLTAGE[V] | 3.3 | 5 |
| | CURRENT[A] | 4.5 | 3 |
| | VOLTAGE ACCURACY[%] | +5,-3 | |
| | RIPPLE[mVp-p] | 25max | |
| | RIPPLE NOISE[mVp-p] | 50max | |
| | START-UP TIME[ms] | 20 – 200max (DCIN 24V, Io=100%) | |
| | OUTPUT VOLTAGE SETTING *1 | ±1% of rated output voltage | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 103% of rating | |
| | OVERVOLTAGE PROTECTION | Works at 120 –140% of rating | |
| | LOWVOLTAGE PROTECTION | Works at 90% max of rating | |
| | REMOTE ON/OFF | Provided (RC open : ON, short between RC and +Vin : OFF) | |
| ISOLATION | INPUT-OUTPUT | DC1,000V or AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min(20±15°C) | |
| | INPUT-CASE | DC500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min(20±15°C) | |
| | OUTPUT-CASE | DC500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min(20±15°C) | |
| ENVIRONMENT | OPERATING TEMP., HUMID. AND ALTITUDE | -40 to +85°C, 20 – 95%RH(Non condensing) , 3,000m(10,000feet)max | |
| | STORAGE TEMP., HUMID. AND ALTITUDE | -40 to +100°C, 20 – 95%RH(Non condensing), 9,000m(30,000feet)max | |
| | VIBRATION | 10 – 55Hz, 49.0m/s ² (5G) , 3minutes period , 60 minutes each along X,Y and Z axis | |
| | IMPACT | 196.1m/s ² (20G), 11ms, once each along X,Y and Z axis | |
| SAFETY | AGENCY APPROVALS | UL60950-1, C-UL(CSA60950-1), EN60950-1 | |
| OTHERS | CASE SIZE/WEIGHT | 39.1 × 6.8 × 29.5mm (WXHxD) / 16g max | |
| | COOLING METHOD | Convection/Forced air | |

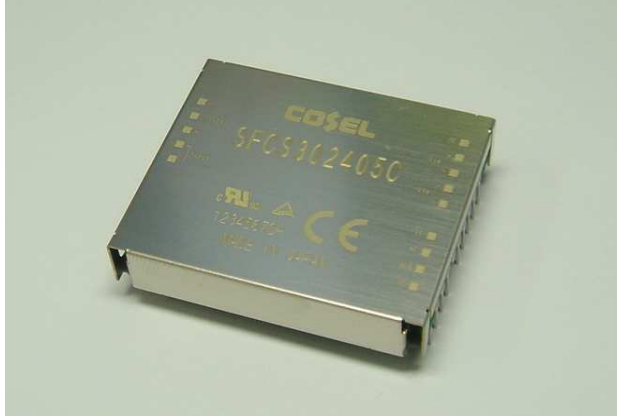
*1 At rated input(DC24V), rated load and 25°C

COSEL

On-board type

SFCS30

UL **US** **CE** (LVD) **RoHS**



Ordering information

SFC **S** **30** **24** **05** **C**
 ① ② ③ ④ ⑤ ⑥

- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage
24:DC18 – 36V
- ⑤ Output voltage
- ⑥ Mounting type
C : DIP

| | | |
|-----------------------|-------------|------------|
| MODEL | SFCS30243R3 | SFCS302405 |
| MAX OUTPUT WATTAGE[W] | 29.7 | 30.0 |
| DC OUTPUT | 3.3V 9A | 5V 6A |

SPECIFICATIONS

| | MODEL | SFCS30243R3 | SFCS302405 |
|-------------------------------|--------------------------------------|---|------------|
| INPUT | VOLTAGE[V] | DC18 – 36 | |
| | CURRENT[A] *1 | 1.36typ | 1.36typ |
| | EFFICIENCY[%] *1 | 91typ | 92typ |
| | START-UP VOLTAGE[V] | DC16 – 18 | |
| | HYSTERESIS VOLTAGE[V] | DC1 min | |
| OUTPUT | VOLTAGE[V] | 3.3 | 5 |
| | CURRENT[A] | 9 | 6 |
| | VOLTAGE ACCURACY[%] | +5,-3 | |
| | RIPPLE[mVp-p] | 25max | |
| | RIPPLE NOISE[mVp-p] | 50max | |
| | START-UP TIME[ms] | 20 – 200max (DCIN 24V, Io=100%) | |
| | OUTPUT VOLTAGE SETTING *1 | ±1% of rated output voltage | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 103% of rating | |
| | OVERVOLTAGE PROTECTION | Works at 120 –140% of rating | |
| | LOWVOLTAGE PROTECTION | Works at 90% max of rating | |
| | REMOTE ON/OFF | Provided (RC open : ON, short between RC and +Vin : OFF) | |
| ISOLATION | INPUT-OUTPUT | DC1,000V or AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min(20±15°C) | |
| | INPUT-CASE | DC500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min(20±15°C) | |
| | OUTPUT-CASE | DC500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min(20±15°C) | |
| ENVIRONMENT | OPERATING TEMP., HUMID. AND ALTITUDE | -40 to +85°C, 20 – 95%RH(Non condensing) , 3,000m(10,000feet)max | |
| | STORAGE TEMP., HUMID. AND ALTITUDE | -40 to +100°C, 20 – 95%RH(Non condensing), 9,000m(30,000feet)max | |
| | VIBRATION | 10 – 55Hz, 49.0m/s ² (5G) , 3minutes period , 60 minutes each along X,Y and Z axis | |
| | IMPACT | 196.1m/s ² (20G), 11ms, once each along X,Y and Z axis | |
| SAFETY | AGENCY APPROVALS | UL60950-1, C-UL(CSA60950-1), EN60950-1 | |
| OTHERS | CASE SIZE/WEIGHT | 39.3 × 8.8 × 33.5mm (WXHxD) / 25g max | |
| | COOLING METHOD | Convection/Forced air | |

*1 At rated input(DC24V), rated load and 25°C

