

# OPTIMA® Three-Pole Overcurrent Protection Module

# OPM-NG-SC3 OPM-NG-SM3



### Class CC Version

Catalog Symbol: OPM-NG-SC3

Electrical Rating: 30A, 600 Vac (or less)

Withstand Rating: 200kA

Use with Class CC fuse type: LP-CC, FNQ-R, KTK-R

### 13/32" x 1-1/2" and 10,3 x 38mm Version

Catalog Symbol: OPM-NG-SM3

Electrical Rating: UL-30A, 600 Vac (or less)

IEC-32A, 690Vac (or less)

Withstand Rating: Limited by fuse IR, 200ka maximum

Use with 13/32" x 1-1/2" fuse types: KTK, FNQ, KLM

Use with 10 x 38mm fuse types: FWA, FWC, C10G\_ \_ , C10M\_ \_

### Agency Information:

UL

OPM-NG-SC3

UL Listed, UL 512, File E14853, Guide IZLT

OPM-NG-SM3

UL Recognized, UL512, File E14853, Guide IZLT2

CSA Certified, C22.2 No. 39, Class C6225-01, File 47235

IEC 60947-3 Utilization Category AC20B

Packaging Weight: 0.39lb. (0.18 kg)

Handling & Storage Specifications:

Storage Temperature: -10°C to 65°C

### Attributes:

- 45mm width matches IEC starters.
- Phil-slot screws.
- Pressure plate terminations.
- Integrated collapsible handle.
- Fuse carrier cannot be removed from holder base.
- IP20 finger safe to IEC60529
- Auxilliary contacts. - optional accessory
- Dual-wire rated terminals (see Wire Table).
- 35mm DIN rail or panel mounting feature. Maximum screw size #8 (M4).
- Padlockable

CE logo denotes compliance with European Union Low Voltage Directive (50-1000 Vac, 75-1500 Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.

### Fuseholder Wire Range:

75°C U Only

#18-12 AWG Single/Dual, torque 15 lb·in.

#10-8 AWG Single/Dual, torque 20 lb·in.

Dual wire. Wire with same gauge and type

|          |  | 75°C U Only        |                        | Ⓢ<br>(Nm)/lb in                          |
|----------|--|--------------------|------------------------|--|
|          |  | AWG                | [mm <sup>2</sup> ]     |  |
| Solid    |  | 18-8 x1<br>18-8 x2 | 1..6 x1<br>1..6 x2     | 18-12 Single / Dual<br>15 lb in (1.7 Nm) |
| Stranded |  | 18-8 x1<br>18-8 x2 | 1.5..6 x1<br>1.5..6 x2 | 10-8 Single / Dual<br>20 lb in (2.5 Nm)  |
| Ferrules |  |                    | 1..4 x1<br>1..4 x2     |  |

### Input Power Terminal Wire Range:

| Wiring             | Conductor          |  |
|--------------------|--------------------|--|
|                    | Solid Conductor    | (1) #14 to #2 (1.5 to 25mm <sup>2</sup> ) conductor or<br>(2) #14 to #6 AWG (1.5 to 10mm <sup>2</sup> ) conductors |
|                    | Stranded Conductor | (1) #14 to #2 (1.5 to 25mm <sup>2</sup> ) conductor or<br>(2) #12 to #6 AWG (2.5 to 10mm <sup>2</sup> ) conductors |
| Tightening Torque: | Connector          | 20 lb·in. (2.2 N·m)  |
|                    | Screw Clamp        | 15 lb·in. (1.7 N·m)  |

### Materials:

Housing: Thermoplastic- UL V-2

Clip: Tin plated copper alloy

Contact Lubricant: Fluoroether grease

Saddle screw: Plated steel

DIN rail springs: Stainless steel

### Optional Accessories:

#### Comb Bar (Max. current rating = 63A)

|            |                                     |
|------------|-------------------------------------|
| OPMNGSA245 | 2 circuit, 45mm between same phases |
| OPMNGSA254 | 2 circuit, 54mm between same phases |
| OPMNGSA272 | 2 circuit, 72mm between same phases |
| OPMNGSA345 | 3 circuit, 45mm between same phases |
| OPMNGSA354 | 3 circuit, 54mm between same phases |
| OPMNGSA445 | 4 circuit, 45mm between same phases |
| OPMNGSA454 | 4 circuit, 54mm between same phases |
| OPMNGSA472 | 4 circuit, 72mm between same phases |
| OPMNGSA554 | 5 circuit, 54mm between same phases |

#### Input Terminal Block (Max. current rating = 63A)

|            |  |
|------------|--|
| OPMNGSA005 | Input Power Terminal, Supports feed through to another system, DIN-rail mount only |
| OPMNGSA009 | Input Power Terminal   |

#### Cover

|            |   |
|------------|---|
| OPMNGSA010 | Protective Cover for unused terminals on comb bar |
|------------|---|

#### Auxilliary Contacts

|              |       |
|--------------|-------|
| OPMNGSAAUX11 | NO/NC |
| OPMNGSAAUX20 | NO/NO |

#### Marking Tabs

|            |  |
|------------|--|
| OPMNGSA101 | Marking Tab - Mounts to front of carrier, quantity 100 |
|------------|--|