

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

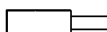
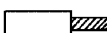
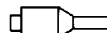
**Fuseholder Wire Range:**

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

**Input Power Terminal Wire Range:**

| Wiring             | 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**

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| 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 |
|------------|--------------------------------------------------------|

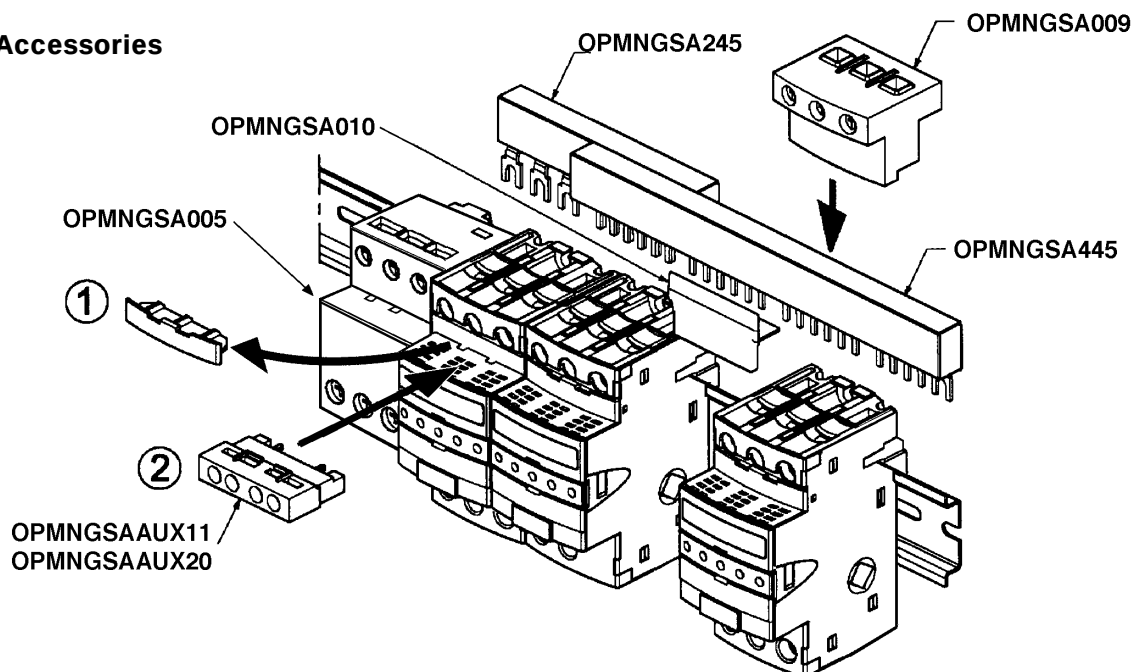
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### Optional Accessories



### Dimensional Data

Millimeters (± 0.38)

Inches (± .015)

