



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 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		C (Nm)/lb in
		AWG	[mm ²]	
Solid		18-8 x1	1..6 x1	18-12 Single / Dual 15 lb in (1.7 Nm)
		18-8 x2	1..6 x2	
Stranded		18-8 x1	1.5..6 x1	10-8 Single / Dual 20 lb in (2.5 Nm)
		18-8 x2	1.5..6 x2	
Ferrules			1..4 x1	
			1..4 x2	

Input Power Terminal Wire Range:

Wiring	Conductor	Wire Range
Tightening Torque:	Solid Conductor	(1) #14 to #2 (1.5 to 25mm ²) conductor or (2) #14 to #6 AWG (1.5 to 10mm ²) conductors
	Stranded Conductor	(1) #14 to #2 (1.5 to 25mm ²) conductor or (2) #12 to #6 AWG (2.5 to 10mm ²) 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
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Auxilliary Contacts

OPMNGSAAUX11	NO/NC
OPMNGSAAUX20	NO/NO

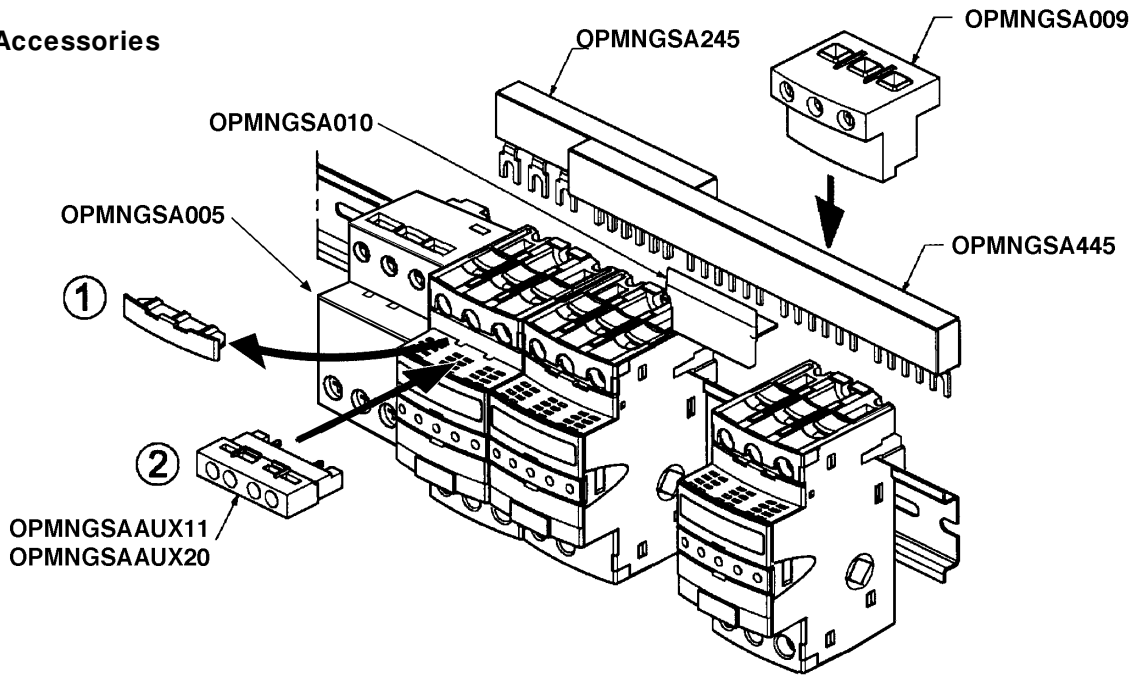
Marking Tabs

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



Dimensional Data

Millimeters (± 0.38)
 Inches (± .015)

