

# Enphase P/N: EP200G-NA-02-RSD

## IMO P/N: SI16-PEL64R-2-ENP



### Key Features

- Enclosed Solar Isolator
- 600VDC, 16A
- IP66 / NEMA 4X Protection Rating
- 2 Pole, 1 String
- Grey/Black Enclosure Cover & Handle



### Technical Data for DC

Main Contacts	DC	Units	SI16 DC-PV1 (acc. to IEC 60947-3)	SI16 (acc. to UL508i)
Rated Thermal Current $I_{the}$		A		16
Rated Insulation Voltage $UI^{(1)}$		V		1000
Rated Insulation Voltage $UI^{(2)}$		V		1500
Distance of Contacts (per pole)		mm		8
Rated Operational Current $I_s$	300V	A	16	16
	350V	A	16	16
	400V	A	16	16
	500V	A	16	16
	600V	A	16	16
Rated Conditional Short Circuit Current		kA <sub>eff</sub>		5
Max. Fuse Size	gL (gG)	A		40
Mechanical Life		Ops		10,000
Rated Short-time Withstand Current (1s) $I_{cw}$		A		800
Short Circuit Making Capacity $I_{cw}$		A		800
Size of Terminal Screw				M4 Pz2
Cable Cross Sections (solid or stranded)		mm / AWG		4 - 16 / 12-10
Tightening Torque		Nm / lb.in		1.7 - 1.8 / 9 - 16
Maximum Operation Ambient Temperature		°C		-40 to +45
Maximum Storage Ambient Temperature		°C		-50 to +90
Power Loss at $I_{onmax}$		(A) / W		(16) / 1

Contact Resistance per pole 1.75mΩ

1) Suitable at overvoltage category I to III, pollution degree 3 (standard-industry):  $U_{imp} = 8kV$ .

2) Suitable at overvoltage category I to III, pollution degree 2 (min. IP55):  $U_{imp} = 8kV$ .

### Dimensions (mm)

