



OPTIMA-REVERSE Series

PLUGS WITH PHASE INVERTER



VERSIONS

	Plugs
	Appliance inlets

PHASE INVERTER



Fixed and movable plugs which rapidly invert two phases in order to return to the correct direction of rotation of three-phase motors for movable and fixed applications.

REFERENCE STANDARDS

EN 60309-1

Plugs, socket-outlets and couplers for industrial purposes.
Part 1: general requirements.

EN 60309-2

Plugs, socket-outlets and couplers for industrial purposes.
Part 2: dimensional interchangeability requirements for pin and contact-tube accessories.

TECHNICAL CHARACTERISTICS

Rated current:	16A-32A
Rated voltage:	346÷415V~
Frequency:	50÷60Hz
Insulating voltage:	690V~
Protection degree:	IP44 - IP66/IP67
Operating temperature according to the reference standard:	-25°C +40°C
Max operating temperature:	60°C
Glow wire test:	650°C/850°C
Material:	Engineering plastic
IK degree at 20°C:	IK08
Cable inlets:	Cable gland
Halogen free:	Yes
Terminals:	Screw
Snap-on device:	16A-32A
Polarity:	3P+E / 3P+N+E
Connectable cables:	Flexible class 5 or 6

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Resistant	Resistant	Not Resistant	Not Resistant	Not Resistant	Limited Resistance	Resistant	Limited Resistance

For specific substances please contact our technical

service.

■ WIRING AND INSTALLATION

Wiring capacity of the terminals (mm²)

Rated voltage	Rated current (A)	Plugs Appliance inlets	
		Min	Max
Over 50V	16A	1	2,5
	32A	2,5	6

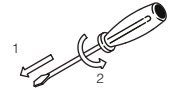
Max. cable size accepted by the cable clamp:

Rated current (A)	Outside Ø mm	
	Min	Max
16A	8	15
32A	11,5	21



■ OPERATING PRINCIPLE OF THE PHASE INVERTER



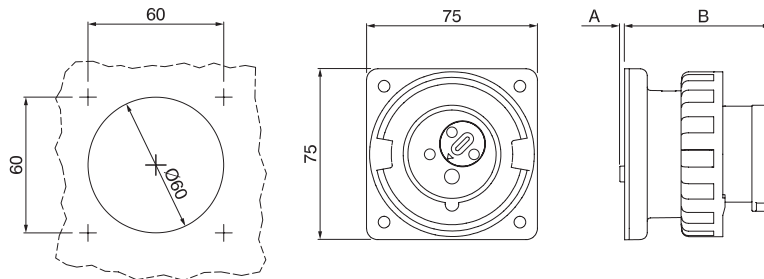
The phases are inverted by simply pushing and turning the phase pin support with a screwdriver.



IP66/IP67

Poles	Hz.	Volt	Colour	h.	IP66/IP67	
					16A	32A
					75x75 1/10	75x75 1/10
3P+E	50/60	380-415		6	248.1696RV	248.3296RV
3P+N+E	50/60	346-415		6	248.1697RV	248.3297RV

■ DIMENSIONS IP66/IP67



IP66/IP67		A	B
16A	3P+E	2	65
	3P+N+E	2	65
32A	3P+E	19	73
	3P+N+E	19	73

