



Telecommunications



Data Centers



Industries



Renewable

PHASE SELECTORS

SELBLUOUT301 SERIES



DESCRIPTION

The series of outdoor phase selectors SELBLUOUT301 of BLUNERY are a complete and fully integrated solution to increase redundancy for AC single phase loads (i.e.: UPS for HFC networks). It is a very convenient way to reduce the use of the UPS' batteries if one phase shuts down.

The SELNVTPEF301 intelligent module included in these units, allows for the connection of single phase AC loads into three phases AC lines.

Protection devices, AC & DC distribution, status signaling, etc. are included in the unit for a quick and easy deployment in the field.

The installation requires only two steps: the connection of the AC source to the input terminal block and the load to the output terminal block.

The powerful firmware embedded in the SELNVTPEF301 intelligent modules allows monitoring all the AC source waveform parameters for each phase, connecting the best one to its output.

MAIN FEATURES

- Up to 3.5KW loads can be safely connected to its output.
- Outside status indicators for AC line, AC output and fail.
- Adjustable parameters such as: transfer to main phase, high and low line voltage, transfer delay, etc.
- High current DIN terminal blocks for a quick AC (line & load) wiring.
- By-pass switch for service and maintenance.
- Field replaceable SELNVTPEF301 intelligent module.
- Compatible with worldwide line standards: voltage and frequency.

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SPECIFICATIONS

	SELBLUOUT3012STD	SELBLUOUT3012CV	SELBLUOUT3011STD	SELBLUOUT3011CV
ELECTRICAL				
MAIN				
Nominal Voltage [VAC]	3 x 220 + N		3 x 120 + N	
Frequency [Hz]	45 - 55		57 - 63	
Input Phases	3	2	3	2
Auxiliary Genset Connection	No	Yes	No	Yes
Maximum Phases Voltage [VAC]	450		240	
Maximum Phase Current & Output [Amps]	16			
Minimum Operation Voltage - Before Shutdown	90		70	
Phase Selector Module Model	SELNVTPPEF301220		SELNVTPPEF301120	
EXTENDED				
"Vmax" High Voltage Transfer - Adjustable Range [VAC]	230 - 280		130 - 155	
"Vmin" Low Voltage Transfer - Adjustable Range [VAC]	160 - 210		90 - 110	
"Vmax" & "Vmin" Histeresys [VAC]	10		5 - 7	
"Ton" - Reconnection Time After Shutdown [seg]	5 - 200		1 - 500	
"Tr" - Transfer to Main Phase Adjustable Delay Range Phase has to be Active [seg]	5 - to stays in current phase			
Transfer Time Phase to Phase [mseg]	< = 20			
OTHERS				
Protection Devices per Phase	Fuse	Thermomagnetic Circuit Breaker	Fuse	Thermomagnetic Circuit Breaker
Connection for the UPS	20Amps DIN Terminal Block			
Outbox Active Phase Indicator	Yes (3 x RED)			
Outbox Active Output Indicator	Yes (1 x GREEN)			
Outbox Faulty Output Indicator	Yes (1 x RED)			
Modular TVSS Surge Suppressors	Optional			
MECHANICAL				
Dimensions: H x W x D [mm/inches]	293 x 276 x 140 / 11.53 x 10.86 x 5.51			
Weight [Kg/Lbs]	2.40 / 5.30			
Mount	Pole or Wall			
Box IP grade	IP67			
ENVIRONMENTAL				
Working Temperature [°C/°F]	-35 / +55 to -31 / +131			
Storage Temperature [°C/°F]	-45 / +70 to -49 / +158			
Relative Humidity - Non Condensing [%]	95			
Altitude [masl]	4000			
INTERNATIONAL STANDARDS (applies to model SELNVTPPEF301)				
	IEC 60947-1: 2004			
	IEC 60947-1: 1992			
	CISPR 11:2004			
	IEC 61000-4-2:2001			

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