

PFEA / PFEB DFEA / DFEB

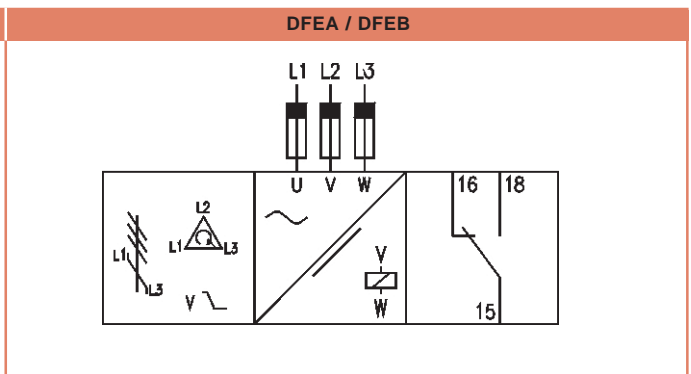
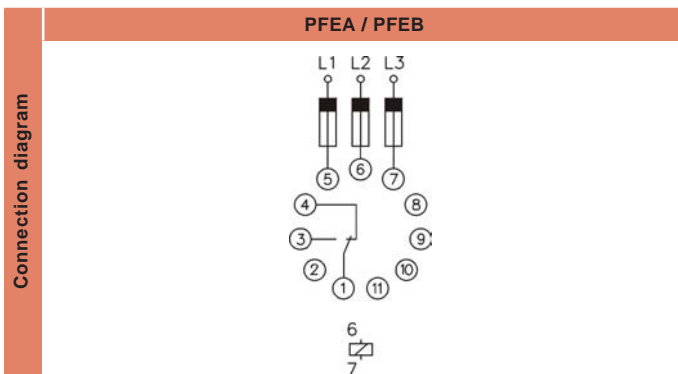
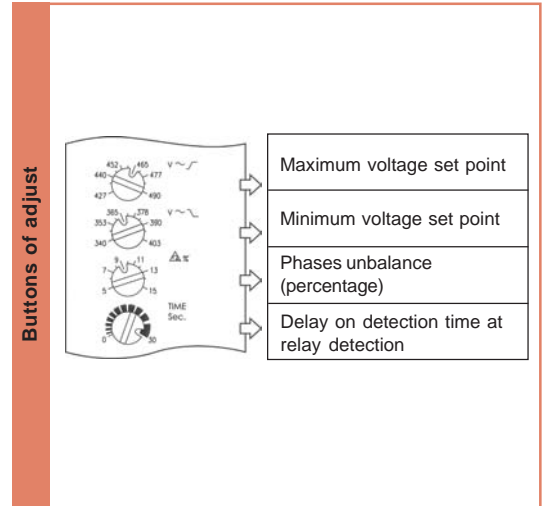
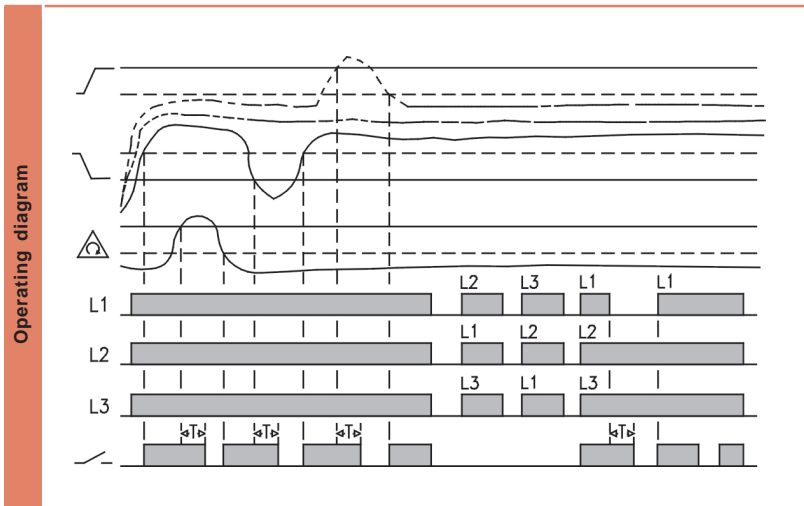


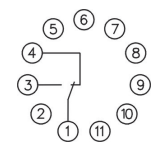
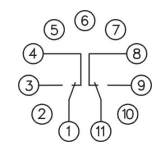
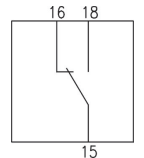
PHASE RELAY

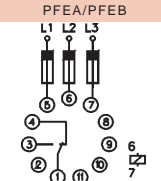
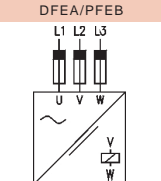
Difference	Control of phase succession, voltage fault, threshold, unbalance and rotation angle. Three-phase lines without neutral.
Connection	The three-phase line is connected to terminals 5, 6 and 7 (PFEA/B) or L1, L2 and L3 (DFEA/B) in the order indicated in the connection diagram.
Operating principle	While there is no anomaly the relay remains operated, and it releases for any of the following causes: <ul style="list-style-type: none"> . If the phase voltage is not correct. . If one or more phases are not present. . If the voltage in whichever of the phases does not stay between the adjusted margins. . If rotation angle does not stay between the adjusted margins.
Leds indication	Power on: Green Relay on: Red
Delay on connection	No
Delay on detection	Adjustable from 0 to 30 Sec.
Regulation margins	±18% nominal value.

	HOUSING	FUNCTION	OUTPUT	VOLTAGE	RANGES
Reference	P Plg-inn	F E Phase relay	A SPDT B DPDT	110 3 x 110 VAC	50 50 Hz 60 60 Hz
	D DIN rail			220 3 x 220 VAC	
				400 3 x 400 VAC	
				440 3 x 440 VAC	
				500 3 x 500 VAC	

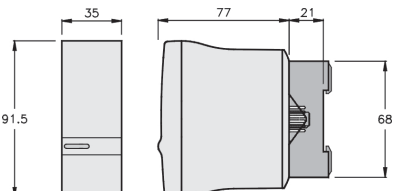
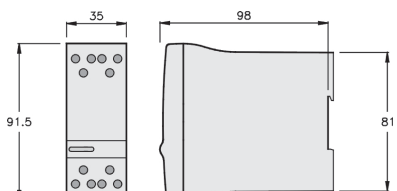
To compose the reference, select one option of each column. Example: PFEA 110 50



		PFEA	PFEB	DFEA	DFEB	
						
Output relays	Resistive load	AC	10 A / 250 V	8 A / 250 V	10 A / 250 V	8 A / 250 V
		DC	0,4 A / 200 V 10 A / 24 V	0,25 A / 200 V 8 A / 24 V	0,4 A / 200 V 10 A / 24 V	0,25 A / 200 V 8 A / 24 V
	Inductive load	AC	5 A / 250 V	2,5 A / 250 V	5 A / 250 V	2,5 A / 250 V
		DC	5 A / 24 V	4 A / 24 V	5 A / 24 V	4 A / 24 V
	Mechanical life		> 30 x 10 ⁶ operations		> 30 x 10 ⁶ operations	
	Max. switching rate, mech.		72.000 operations / hour		72.000 operations / hour	
	Electrical life at full load		360 operations / hour		360 operations / hour	
	Contact material		AgNi 90/10		AgNi 90/10	
	Maximum voltage		440 VAC		440 VAC	
	Operating voltage		250 VAC		250 VAC	
Volt. between changeovers		2500 VAC		2500 VAC		
Voltage between contacts		1000 VAC		1000 VAC		
Voltage coil/contact		5000 VAC		5000 VAC		
Distance coil/contact		10 mm		10 mm		
Isolation resistance		> 10 ⁴ MΩ		> 10 ⁴ MΩ		

	AC	
	PFEA/PFEB	DFEA/PFEB
		
Galvanic isolation	Yes	
Frequency	50 / 60 Hz	
Operating margins	±10% -15%	
Positive	-	
Protected polarity	-	
Consumption	1,6 VA	

	PFEA / PFEB	DFEA / DFEB
	Voltage phase-neutral	300 V
Overtoltage category	III	III
Rated impulse voltage	4 kV	4 kV
Pollution degree	2	3
Protection	IP 20 B	IP 20
Approximate weight	250 g	280 g
Storage temperature	-50°C +85°C	-50°C +85°C
Operating temperature	-20°C +50°C	-20°C +50°C
Humidity	30..85% HR	30..85% HR
Housing	Cycloley - Light grey	Cycloley - Light grey
Socket	Lexan - Light grey	-
Visor leds	Lexan - Transparent	Lexan - Transparent
Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue
Pins of the socket	Nickel brass	-
Pins of the terminal block	-	Brass
Approvals	Designed and manufactured under EEC standards. Electromagnetic compatibility, directives 89/366/EEC and 92/31/EEC. Electric safety, directive 73/23/EEC. Plastics: UL 91 V0	

Dimensions	PFEA / PFEB		DFEA / DFEB	
				

Rev. 02/00 - 29/12/11 - DISIBEINT reserves the right to modify the specifications stated in this document without previous notice