

PAFA DAFA SAFA

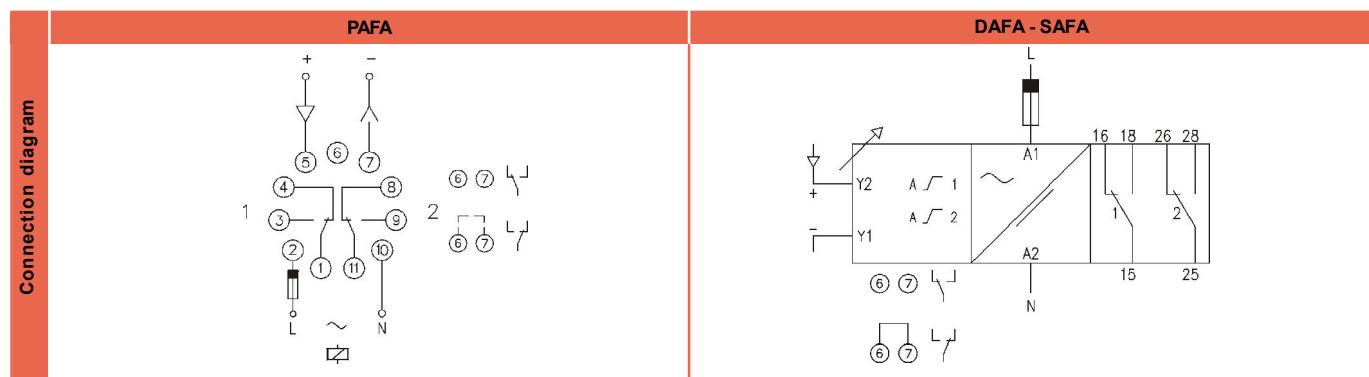
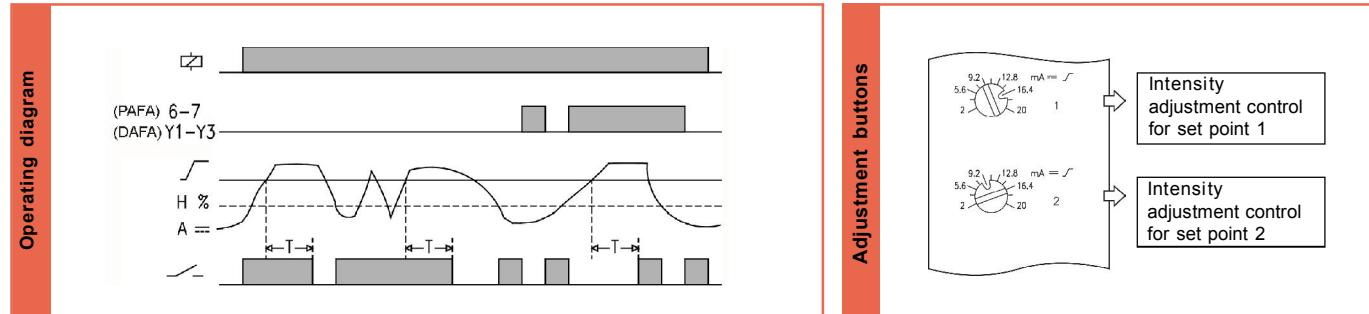
CURRENT RELAY WITH TWO SET POINTS



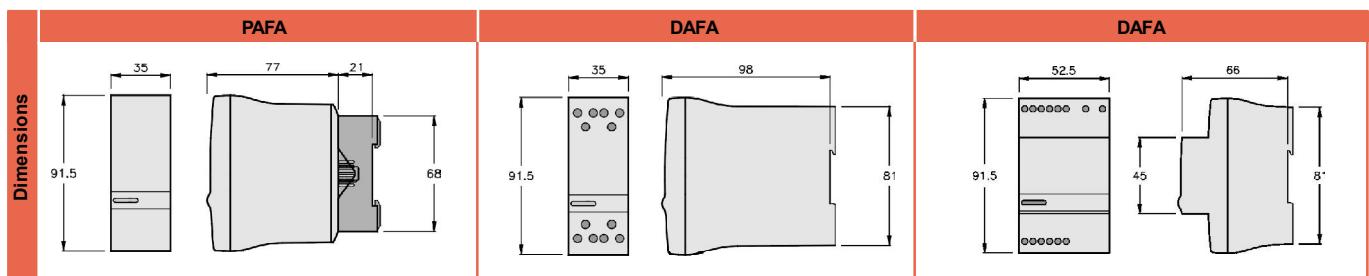
Difference	Relay for control of the current with two independent set points.
Measurement	DC current.
Operating principle	When the supply voltage is connected, if the measure current is less than the ones pre-set in each control, the relays remain released. When the measure current exceeds the pre-set values, each relay operates according its control, and remain so until the measure current goes below 10% of each pre-set value. When the supply voltage is connected, if the measure current exceeds the pre-set values, the relays operate instantaneously.
Leds indication	Power on: Green Relays on: Red
Relays	It is provided with two relays, each one related two a different set point.
Currents greater than 5A	When currents greater than 5 A are to be controlled, one current transformer ratio X/5, class 1 must be used, where X is the closest value to the current to be controlled.
Hysteresis	10%. fixed.
Timing	No timing.

Reference	HOUSING	FUNCTION	OUTPUT	VOLTAGE	RANGES		
					RANGE	SHUNT	Imáx.
P	Plug inn	AF Current relay with two set points	A 1+1 SPDT	024	0.1..1 mA	220Ω	10 mA
D	DIN rail			110	0.5..5 mA	47Ω	20 mA
S	Flush mounting			230	2..20 mA	4.7 Ω	100 mA
				400	10..100 mA	1 Ω	500 mA
				440	20..200 mA	1 Ω	1 A
				901	50..500 mA	0.22 Ω	2 A
				902	15~70 VAC/DC	0.1 Ω	4 A
					60~240 VAC/DC	0.05 Ω	6 A
						0.02 Ω	10 A

To compose the reference, select one option of each column. Example: PAFA 024 1MA



	PAFA	DAFA	SAFA
Output relays			
Resistive load	AC 10 A / 250 V DC 0,4 A / 200 V 10 A / 24 V	10 A / 250 V 0,4 A / 200 V 10 A / 24 V	10 A / 250 V 0,4 A / 200 V 10 A / 24 V
Inductive load	AC 5 A / 250 V DC 5 A / 24 V	5 A / 250 V 5 A / 24 V	5 A / 250 V 5 A / 24 V
Mechanical life	> 30 x 10 ⁶ operations	> 30 x 10 ⁶ operations	> 30 x 10 ⁶ operations
Max. switching rate, mech.	72.000 operations / hour	72.000 operations / hour	72.000 operations / hour
Electrical life at full load	360 operations / hour	360 operations / hour	360 operations / hour
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10
Maximum voltage	440 VAC	440 VAC	440 VAC
Operating voltage	250 VAC	250 VAC	250 VAC
Volt. between changeovers	2500 VAC	2500 VAC	2500 VAC
Voltage between contacts	1000 VAC	1000 VAC	1000 VAC
Voltage coil/contact	5000 VAC	5000 VAC	5000 VAC
Distance coil/contact	10 mm	10 mm	10 mm
Isolation resistance	> 10 ⁴ MΩ	> 10 ⁴ MΩ	> 10 ⁴ MΩ
Supply			
CA	PAFA DAFA - SAFA	PAFA DAFA - SAFA	
Galvanic isolation	Yes	No	
Frequency	50 / 60 Hz	-	
Operating margins	±10% -15%	±10%	
Positive	-	Terminal 2	
Protected polarity	-	Sí	
Constructive and environmental data			
Voltage phase-neutral	300 V	300 V	300 V
Oversupply category	III	III	III
Rated impulse voltage	4 kV	4 kV	4 kV
Pollution degree	2	3	3
Protection	IP 20 B	IP 20	IP 20
Approximate weight	250 g	280 g	280 g
Storage temperature	-50°C +85°C	-50°C +85°C	-50°C +85°C
Operating temperature	-20°C +50°C	-20°C +50°C	-20°C +50°C
Humidity	30~85% HR	30~85% HR	30~85% HR
Housing	Cyclooy - Light grey	Cyclooy - Light grey	Cyclooy - Light grey
Socket	Lexan - Light grey	-	-
Leds cover	Lexan - Transparent	Lexan - Transparent	Lexan - Transparent
Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue	Technyl - Dark blue
Pins of the socket	Nickel-plated brass	-	-
Pins of the terminal block	-	Brass	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		



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