

# BYAF-125

## AC Switch-disconnector



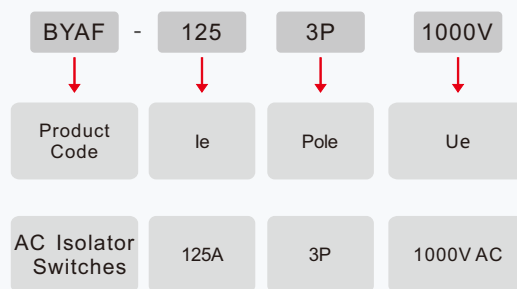
- High performance, reliability, low power loss;
- Easy Installation;
- Maximum Rated Voltage: 1000V;
- IEC 60947-3; UL 508



### Application

**BENY** BYAF-125 AC isolating switch is mainly used for AC rated frequency 50Hz/60Hz, rated working voltage 1000V and below with rated working current up to 50A, used for AC side and ventilation of photovoltaic system Control switches for equipment, air conditioning and pump systems can also control small capacity AC motors.

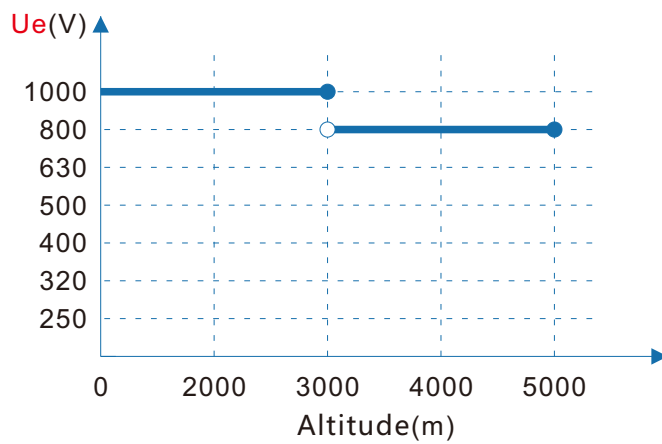
### Type Instruction



Technical data		Symbol Ratings							Unit	
According	le / Ue Utilization Category	230	300	400	480	690	800	1000	V a.c.	
IEC/EN 60947-3	AC-23A	50		50		50	50	50	A a.c.	
UL 508	3-PH		50		50	50	50	50	A a.c.	
Rated frequency								50/60	Hz	
Number of AC poles								3		
Pollution degree								3		
Tightening torque terminal screws M6 (min.-max.)								3.5-4.0	N.m	
Wire size (min.-max.)								8-1	AWG	
								10-50	mm <sup>2</sup>	
Method of mounting								panel mounting		
Positions								9 (OFF) and 12 o'clock (ON)		
Method of operation								Independent manual operation		
Rated impulse withstand voltage			U <sub>imp</sub>		8.0		kV			
Insulation voltage			U <sub>i</sub>		1000		V			
Rated short-time withstand current(1s)			I <sub>cw</sub>		1500		A			
Rated short-circuit making capacity			I <sub>cm</sub>		2500		A			
Allowed ambient temperature(min.-max.)			T <sub>ambient</sub>		-40~+70		°C			
Allowed storage temperature(min.-max.)			T <sub>storage</sub>		-40~+85		°C			
Relative humidity (max.), without condensation at 20°C			RH		90		%			
Enclosure type								4X		
IP rating terminals								IP 20		
IP rating of the shaft in case of single hole and four hole panel mounting								IP 66		
Weight								0.70		kg

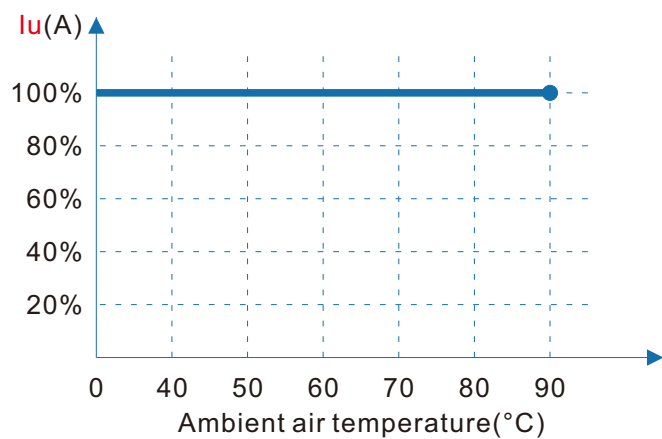
## Altitude derating

Ue-Altitude derating(GB14048.1)



## Ambient temperature decrement

Iu-Ambient temperature decrement(GB 14048.3)



## Dimensions(mm)

