



Features:

- High visibility ON/OFF indication
- 4pcs screws for high strength locking
- IP66 & UV Resistance
- Conduit entries on top and bottom
- Pad-lockable handle



Application

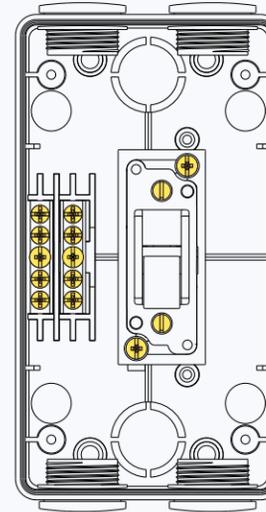
ZBENY AC Isolator Switch with super waterproof and dustproof function, can effectively prevent entry of dust, oil, in the rain or strong water will not affect the use of product performance; have anti-corrosive, UV protection, cold resistant, high temperature resistant, anti-aging characteristics. Included in the range is single, double and triple pole switches from 20A to 63A. The base mounted mechanism provides for easier termination and more wiring room.

Technical Specifications

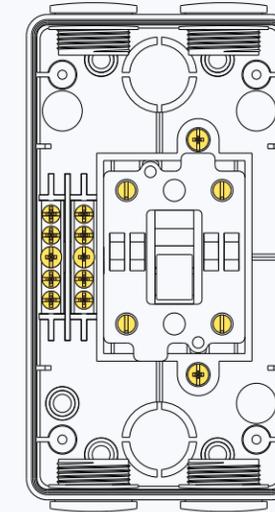
Type	BYA-63									BYA-63-L
	1Pole			2Pole			3Pole			
Rated operational current (<i>Ie</i>)	20A	35A	63A	20A	35A	63A	20A	35A	63A	
Rated operational voltage (<i>Ue</i>)	250V	250V	250V	250V	250V	250V	440V	440V	440V	
Standard	AS60947.3: 2018 AC-22A									
Rated frequency	50Hz									
Rated insulation volateg (<i>Ui</i>)	1000V									
Rated impulse withstand voltage (<i>Uimp</i>)	2.5kV									
Short time withstand current (<i>Icw</i>)	760A for 1 second									
Short circuit making capacity (<i>Icm</i>)	1.98kA									
Free air thermal current (<i>Ith</i>)	Same as <i>Ie</i>									
Enclosed thermal current (<i>Ithe</i>)	Same as <i>Ie</i>									
Dielectric properties	800V									
Mechanical life	10000									
Electrical life	1500									
Protection degree	IP66									
UV Resistance	Yes									
Color	Gray									
Conduit entries	4xM25						4xM32			
Padlock max diameter Max.	6mm									
cable size (<i>Mains</i>) Max.	16mm ²									
cable size (<i>NE</i>)	16mm ²									
Approved	SAA, CE									
Rated operation current (AS3133)	Locked rotor 3 Ø, "M" rating					Locked rotor 1 Ø, "M" rating				
	120A for 20A					140A for 20A				
	160A for 35A					180A for 35A				
	200A for 63A					200A for 63A				

Structure

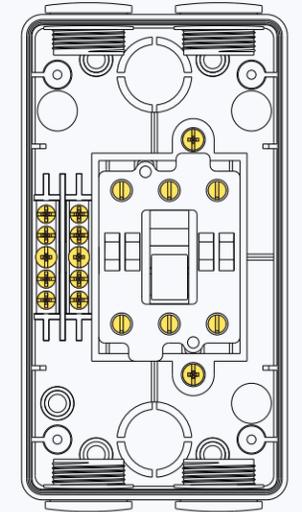
1Pole 250V
20A, 35A, 63A



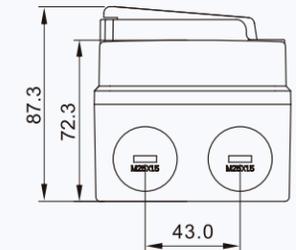
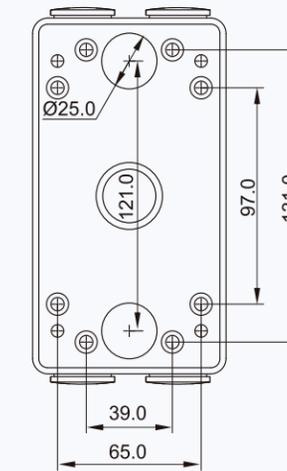
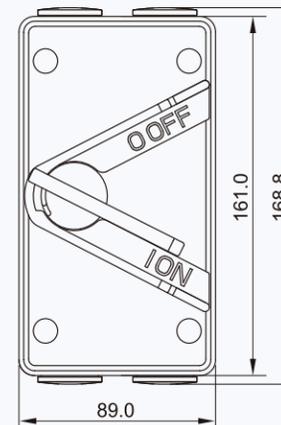
2Pole 250V
20A, 35A, 63A



3Pole 440V
20A, 35A, 63A

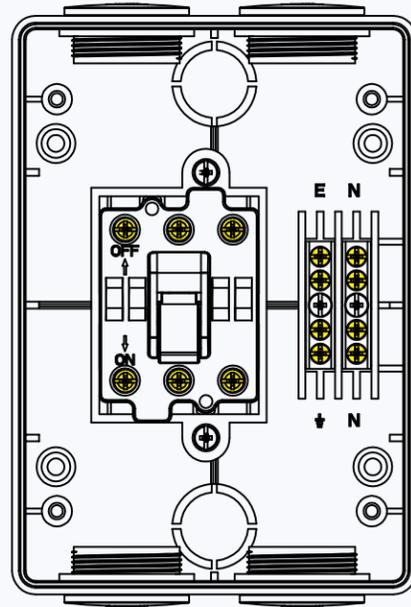


Dimensions(mm)

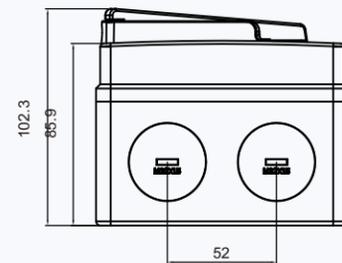
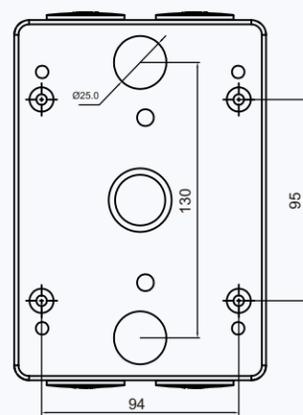
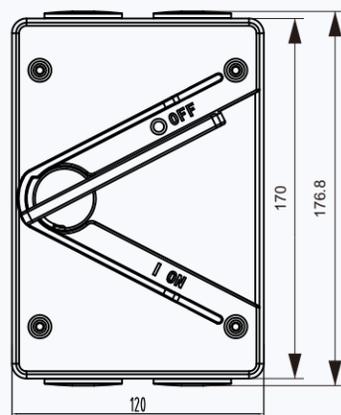


Structure

3Pole 440V
63A



Dimensions(mm)



**BYAF-32 Series
Weatherproof AC
Isolating Switch**



Technical Parameter:

- Conform to IEC60947-3
- Rated Current: 20A, 25A, 32A
- Rated Voltage: 230~440VAC
- No. of Pole: 2P, 3P, 4P
- EESS Approved

Application

ZBENY The BYAF series of weatherproof isolating switches is a robust range of switches suitable for virtually any external application included in the range are three and four poles switch from 20A to 32A, the base mounted mechanism provides for easier wiring and more wiring room.

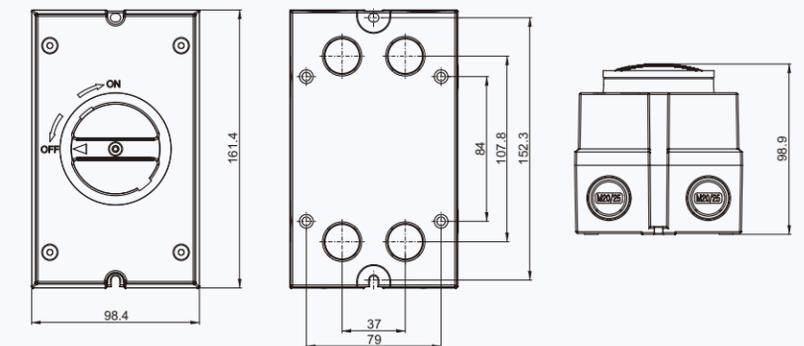
Parameter

Designation	BYAF-32		
	2P	3P	4P
Pole	2P	3P	4P
Rated Voltage	230~440VAC	230~440VAC	230~440VAC
	20A	20A	20A
Rated Current	25A	25A	25A
	32A	32A	32A
Rated Frequency	50Hz		
Rated Insulation Voltage	Ui	1000V	
Rated Impulse Withstand Voltage	Uimp	2.5kV	
Rated Duty	Un-interrupted		
Short Term Withstand Current	Icw	750 A For 1Sound	
Short Circuit Making Capacity	Icm	1.98kA	
Switch Rating	AC-21A(According to IEC 60947-3)		

Wiring Diagram

Contacts Wiring Diagram	230~440V	Poles in series	Type Number	IP Rating	Weight / pcs
	20A 25A 32A	Three poles	BYAF-32	IP65	0.46kgs
	20A 25A 32A	Four poles	BYAF-32	IP65	0.50kgs
	20A 25A 32A	Four poles	BYAF-32	IP65	0.54kgs

Dimensions(mm)





Technical Parameter:

- Conform to IEC60947-3
- Rated Current: 40A, 63A
- Rated Voltage: 230~440VAC
- No. of Pole: 2P, 3P, 4P
- EESS Approved

Application

ZBENY The BYAF series of weatherproof isolating switches is a robust range of switches suitable for virtually any external application included in the range are three and four poles switch from 40A to 63A, the base mounted mechanism provides for easier wiring and more wiring room.

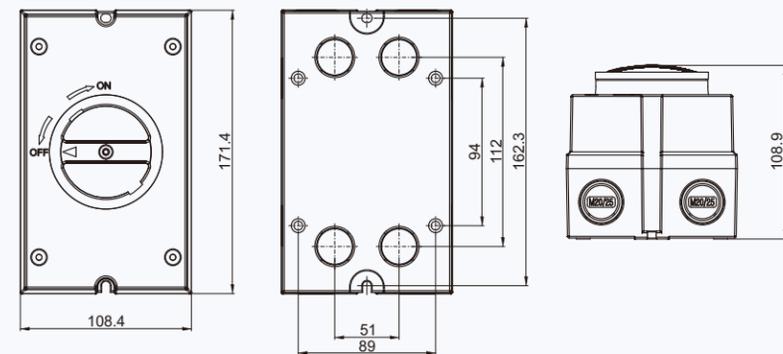
Parameter

Designation	BYAF-63		
	2P	3P	4P
Pole	2P	3P	4P
Rated Voltage	230VAC	230~440VAC	230~440VAC
Rated Current	40A	40A	40A
	63A	63A	63A
Rated Frequency	50Hz		
Reted Insulation Voltage	Ui	1000V	
Rated Impulse Withstand Voltage	Uimp	2.5kV	
Rated Duty	Un-interrupted		
Short Term Withstand Current	Icw	750 A For 1SOUND	
Short Circuit Making Capacity	Icm	1.98kA	
Switch Rating	AC-21A(According to IEC 60947-3)		

Wiring Diagram

Contacts Wiring Diagram	230~440V	Poles in series	Type Number	IP Rating	Weight / pcs
	40A 63A	Three poles	BYAF-63	IP65	0.55kgs
	40A 63A	Four poles	BYAF-63	IP65	0.61kgs
	40A 63A	Four poles	BYAF-63	IP65	0.67kgs

Dimensions(mm)



**BYAF-125
AC Switch-disconnector**

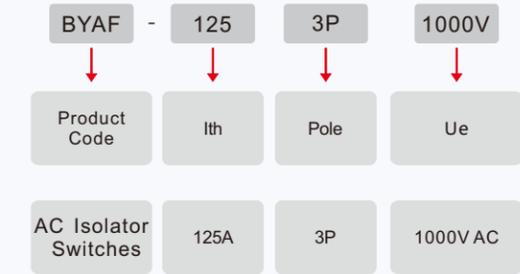


- High capacity, High reliability, Low energy-loss;
- Panel mounting and Easy installation;
- IP66 for mounting on panel;
- Max working voltage 1000V AC;
- Standard: IEC 60947-3; UL 508;
- Ambient Temperature: -40°C~ +70°C;
- UL, TUV, CE certificates ;

Application

ZBENY 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.

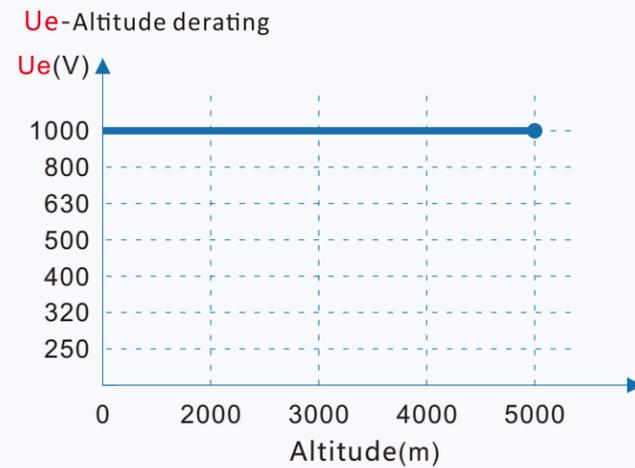
Type Instruction



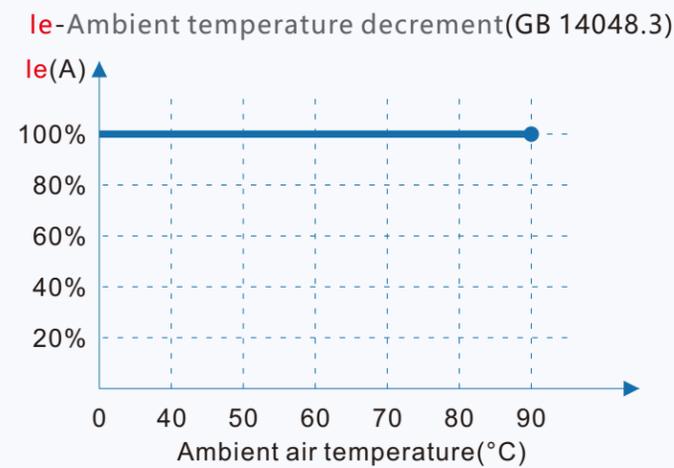
Technical data	Symbol Ratings							Unit			
	le	Ue	230	300	400	480	690		800	1000	
According to IEC/EN 60947-3	Utilization Category	AC-23A	50	50	50	50	50	50	50	V a.c.	
UL 508	3-PH		50	50	50	50	50	50	50	A a.c.	
Rated frequency	50/60									Hz	
Number of AC poles										3	
Pollution degree										3	
Tightening torque terminal screws M6 (min.-max.)										3.5-4.0	N • m
Wire size (min.-max.)										8-1	AWG
										10-50	mm ²
Method of mounting										panel mounting	
Tightening torque (M5), used for surface panel (min.-max.)										1.2-1.5	N • m
Tightening torque (ST4.2), used for rotary knob (min.-max.)										1.2-1.5	N • m
Positions (Adjust as required)										9 o'clock(OFF) and 12 o'clock (ON)	
										12 o'clock(OFF) and 3 o'clock (ON)	
Method of operation										Independent manual operation	
Rated impulse withstand voltage	Uimp								8.0	kV	
Insulation voltage	Ui								1000	V	
Rated short-time withstand current(1s)	Icw								1500	A	
Rated short-circuit making capacity	Icm								2500	A	
Allowed ambient temperature(min.-max.)	Tambient								-40~+70	°C	
Allowed storage temperature(min.-max.)	Tstorage								-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



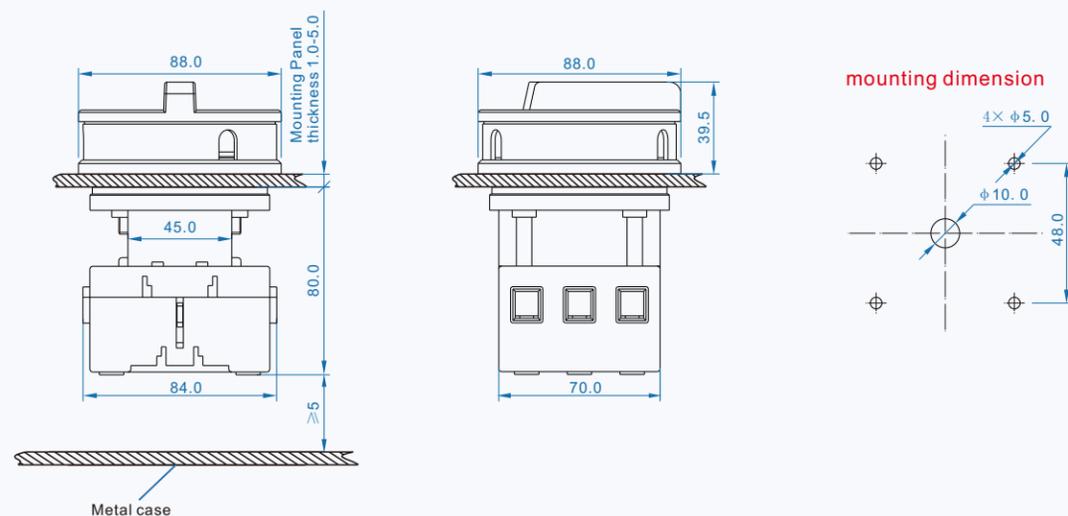
Altitude derating



Ambient temperature decrement



Dimensions(mm)



**BYAF-125 R
AC Switch-disconnector**



- High capacity, High reliability, Low energy-loss;
- Panel mounting and Easy installation;
- IP66 for mounting on panel;
- Max working voltage 1000V AC;
- Standard: IEC 60947-3; UL 508;
- Ambient Temperature: -40°C~+70°C;
- UL, TUV, CE certificates ;

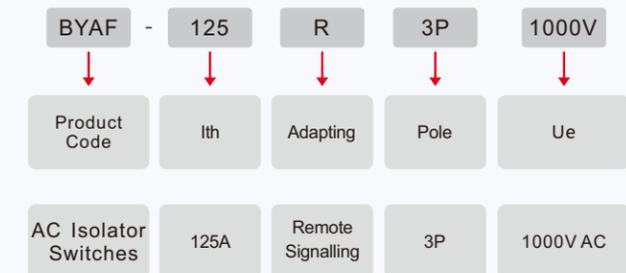


Auxiliary Contacts(EN60947-5-1)		Unit
Ue	230 400 690	V a.c.
Ie	6 4 2	A a.c.
Ie@24V AC(UL 508)	10	mA
Utilization Category	AC-15	V
Ui	1000	V
Rated conditional short-circuit current	3000	A
Contact Form	1NO+1NC	
Tightening torque terminal screws M6 (min.-max.)	0.6-1.0	N · m
Wire size (min.-max.)	1-4	mm ²

Application

ZBENY BYAF-125 R 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.

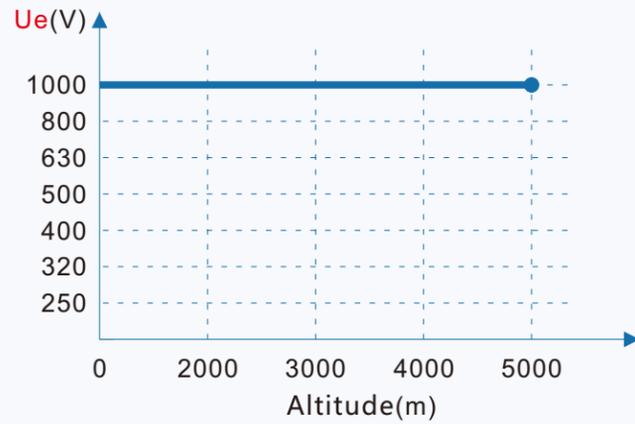
Type Instruction



Technical data	Symbol Ratings	Unit
According to	Ie / Ue Utilization Category	230 300 400 480 690 800 1000 V a.c.
IEC/EN 60947-3	AC-23A	50 50 50 50 50 50 A a.c.
UL 508	3-PH	50 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 ²
Method of mounting		panel mounting
Tightening torque (M5), used for surface panel (min.-max.)		1.2-1.5 N · m
Tightening torque (ST4.2), used for rotary knob (min.-max.)		1.2-1.5 N · m
Positions (Adjust as required)		9 o'clock(OFF) and 12 o'clock (ON) 12 o'clock(OFF) and 3 o'clock (ON)
Method of operation		Independent manual operation
Rated impulse withstand voltage	Uimp	8.0 kV
Insulation voltage	Ui	1000 V
Rated short-time withstand current(1s)	Icw	1500 A
Rated short-circuit making capacity	Icm	2500 A
Allowed ambient temperature(min.-max.)	Tambient	-40~+70 °C
Allowed storage temperature(min.-max.)	Tstorage	-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		0.72 kg

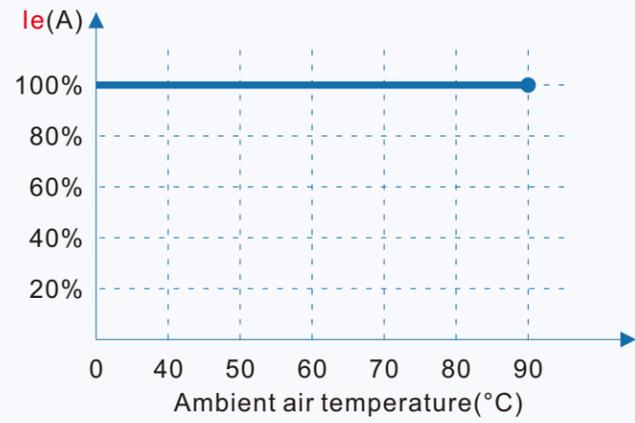
Altitude derating

Ue-Altitude derating



Ambient temperature decrement

Ie-Ambient temperature decrement(GB 14048.3)



Dimensions(mm)

