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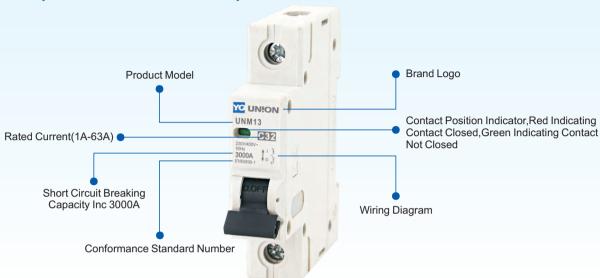
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Miniature Circuit Breaker

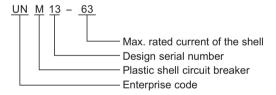
MCB(UNM13-63 3KA/4.5KA)



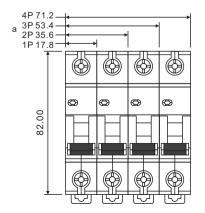
Product advantage

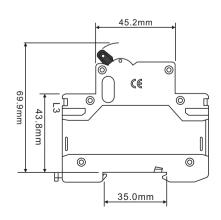
- High frame level 1P+N double breaking point(18mm width, module up to 63A,high breaking capacity (Up to 4.5KA)
- Terminal with error protected terminal blocks, and higher safety with contact position indicating window.
- Current limited contact system,magnetic blow-out type arc extinguishing device,can avoid products and equipment from large short circuit current, and improve the arc extinguishing ability of products, then make sure the enhancement of breaking capacity.
- The shell and funcion keys are all made by PA66 nylon which with high flame retardant, high temperature resistance, impact resistant plastics.
- Innovative appearance, reasonable structure and with multiple patent protection.

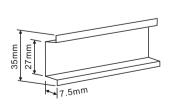
Model meaning



Outline dimension





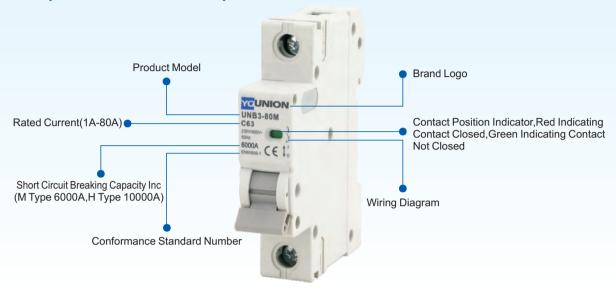




Product model				UNM13-63						
Pole number				1P	1P 2P 3P				4P	
Shelf rated current		Α			63					
Technical parameter	rs .									
Rated working voltage	ge	Ue	VAC	230/400	400		400		400	
Rated current		In	Α	1, 2, 3,	4, 6, 10,	16, 20,	25, 32,	40, 5	0, 63	
Rated insulation volt	age	Ui	V			500				
Rated impulse withsta	and voltage	Uimp	kV			4				
Breaking capacity fo	rce	Ics	%lcn			100%				
Curve type					E	3′ C′ [)			
Release type					Ther	momag	netic			
	Mechanical	Actual a	average			20000				
Service life	Mechanical	Standa	rd value			8500				
(O~CO)	Electrical	Actual a	average			10000				
	Liectrical	Standa	rd value			1500				
Control and indication	on									
Auxiliary contact										
Alarm contact										
Shunt release										
Under release										
Voltage release										
Connection and insta	allation									
Protection grade	Alls	ides		lp40						
1 Totootion grado	Connect	tion port		lp20						
Handle lock				ON OFF Position						
Connection ability		mı	m²		1 ~35					
Ambient temperature	е	٥	С	-30 ~+70						
Humidity and heat re	esistance				Level 2					
Altitude		r	n		2000					
Relative humidity of	air				+20 , 9	5%; 4	0 , 50	%		
Pollution grade						3				
Installation environm				W	Without significant vibration and impact					
Installation category				II class						
Installation mode			35r	mm DIN	rail					
Shape dimensions(r	nm)		а	17. 8	36. 5		53. 4		71. 2	
W*H*D	,	ŀ)	69.9	69.9		69.9		69. 9	
			0	43.8	43.8		43.8		43. 8	
Weight			9	91	182		273		364	
■Standard settings	□ Optiona	/None)							

Miniature Circuit Breaker

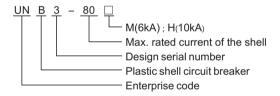
MCB(UNB3-80 6KA/10KA)



Product advantage

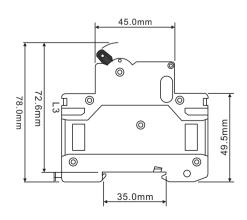
- High frame level 1P+N double breaking point(18mm width, module up to 80A),high breaking capacity(up to 6kA,10kA).
- Terminal with error protected terminal blocks, and higher safety with contact position indicating window.
- Current limited contact system, magnetic blow-out type arc extinguishing device, can avoid products and equipment from large short circuit current, and improve the arc extinguishing ability of products, then make sure the enhancement of breaking capacity.
- The shell and funcion keys are all made by PA66 nylon which with high flame retardant, high temperature resistance, impact resistant plastics.
- Innovative appearance, reasonable structure and with multiple patent protection.

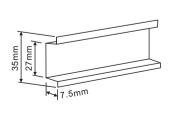
Model meaning



Outline dimension

4P 71.2 3P 53.4 2P 35.6 1P 17.8



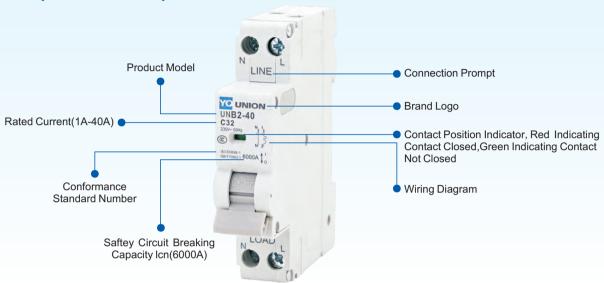




Product model				UNB3-80						
Pole number				1P	2F	2P 3P				
Shelf rated current		A	A		80					
Technical parameter	s									
Rated working voltage	ge	Ue	VAC	230/400	40	0	400	400		
Rated current		In	Α	1, 2, 3,	4, 6, 10,	16, 20	, 25, 32, 40, 5	50, 63, 80		
Rated insulation volt	age	Ui	V			50	0			
Rated impulse withsta	and voltage	Uimp	kV			4				
Туре						M/	Ή			
Breaking capacity or	perating	Icn	kA			6 /	10			
Breaking capacity fo	rce	lcs '	%lcn			100%	75%			
Curve type						B' C	, D			
Release type					٦	Thermon	nagnetic			
	Maria de la companya	Actual a	average			200	000			
Service life	Mechanical	Standa	rd value			850	00			
(O~CO)	Flactical	Actual a	average			100	000			
	Electrical	Standa	rd value			150	00			
Control and indication	n									
Auxiliary contact										
Alarm contact										
Shunt release										
Under release										
Voltage release										
Connection and insta	allation									
Drotootion grade	Alls	ides			lp40					
Protection grade	Connect	tion port		lp20						
Handle lock				ON ØFF Position						
Connection ability		mı	m^2	1 ~35						
Ambient temperature	Э	°(C	-30 ~+70						
Humidity and heat re	sistance			Level 2						
Altitude		n	n		2000					
Relative humidity of	air				+20 ,	95%;	4 0 , 50%			
Pollution grade				3						
Installation environment			,	Without sigr	nificant v	ibration and impa	act			
Installation category				II class						
Installation mode					35mm [DIN rail				
Shape dimensions(n	am)	á	а	17. 8	36.	5	53. 4	71. 2		
W*H*D	····· <i>)</i>	ł)	82	82)	82	82		
VV II D		(0	72. 6	72.	6	72. 6	72. 6		
Weight		Ś	9	116. 5	238	. 6	360. 3	477. 5		
■Standard settings	□ Optiona	/None	:							

Miniature Circuit Breaker

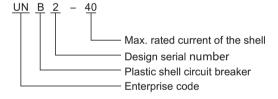
DPN(UNB2-406KA)



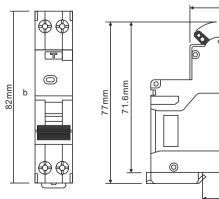
Product advantage

- High frame level 1P+N double breaking point(18mm width, module up to 40A),high breaking capacity(up to 6kA).
- Terminal with error protected terminal blocks, and higher safety with contact position indicating window.
- Current limited contact system, magnetic blow-out type arc extinguishing device, can avoid products and equipment from large short circuit current, and improve the arc extinguishing ability of products, then make sure the enhancement of breaking capacity.
- The shell and funcion keys are all made by PA66 nylon which with high flame retardant, high temperature resistance, impact resistant plastics.
- Innovative appearance, reasonable structure and with multiple patent protection.
- The products with overload, short circuit, leakage protection functions.

Model meaning



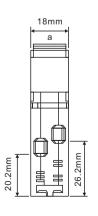
Outline dimension



77mm 71.6mm ©

35mm

45mm



Applications





Product model				UNB2-40				
Pole number				1P+N				
Shelf rated current		A	A	40				
Technical parameter	's							
Rated working voltage	ge	Ue	VAC	230				
Rated current		In	Α	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40				
Rated insulation volt	age	Ui	V	500				
Rated impulse withsta	and voltage	Uimp	kV	4				
Breaking capacity or	perating			6				
Breaking capacity fo	rce	Icn	kA	100%				
Curve type		lcs '	%Icn	B, C				
Release type				Thermomagnetic				
	Machaniaal	Actual a	average	20000				
Service life	Mechanical	Standa	rd value	8500				
(O~CO)	Flootrical	Actual a	average	10000				
	Electrical	Standa	rd value	1500				
Control and indication	n							
Auxiliary contact	Auxiliary contact							
Alarm contact								
Shunt release								
Under release								
Voltage release								
Connection and insta	allation							
Protection grade	Alls	ides		Ip40				
Frotection grade	Connec	tion port		lp20				
Handle lock				ON ØFF Position				
Connection ability		mı	m^2	1 ~10				
Ambient temperature	Э	°(C	-30 ~+70				
Humidity and heat re	sistance			Level 2				
Altitude		n	n	2000				
Relative humidity of	air			+20 , 95%; +40 , 50%				
Pollution grade				3				
Installation environment				Without significant vibration and impact				
Installation category			II class					
Installation mode			35mm DIN rail					
Shape dimensions(mm)		а	18					
W*H*D)	ł)	82				
VV II D		(0	71. 6				
Weight		Ś	9	105				
■Standard settings	□ Optiona	/None	:					

Residual Current Circuit Breaker

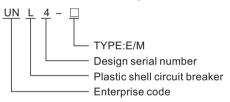
RCCB(UNL4 Electronic/Electro-Magnetic)



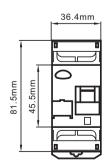
Product advantage

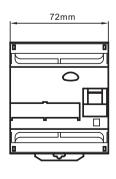
- Ambient air temperature: ambient air temperature -5 degrees -40 degrees, average no more than 35 degrees within 24 hours.
- Altitude: the altitude of the installation site does not exceed 2000m.
- Atmospheric conditions: The relative humidity of the air at the installation site does not exceed 50% at a maximum temperature of 40 degrees, and the relative humidity does not exceed 90% at a minimum temperature of not more than 20%.
- Installation method: using standard Din-rail installation.
- Pollution level: Level II.
- Installation conditions: The external magnetic field of the installation site should not exceed 5 times of the geomagnetic field in any direction. The leakage circuit breaker is generally installed vertically, the handle is upwardly connected to the power supply position, and the installation site should have no significant impact and vibration.
- Wiring method: tighten the wiring with screws.

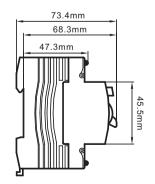
Model meaning

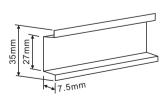


Outline dimension















Туре			UNL4	
No of poles				2,4
Туре				Eletronic/Electro-Magnetic with LED
Rated current	In	Α		25,32,40,63
Rated residual current	lΔ	Ма		30,100, 300
Tripping range	lΔ	Ма		0,5-1 x l∆n
Rated frequency		Hz		50-60
Type class				AC, A, S
Rated voltage	Ue	V	Ac	240
Rated insulation voltage	Ui	V		500
Rated impulse withstand voltage	Uimp	Kv		4.5
Rated short circuit capacity		Α		6000
Electrical life	Ope.	V	230	4000
Mechanical life	Ope.			20000
Degree of protection				IP 20(IP 40)
Ambient operational temperature		°C		-25/+70
Storage temperature		°C		-40/+75
Fixing (en 60715)				35mm DIN rail
Connection cross section (min/max)		mm²		1,5-35

Residual Current Circuit Breaker

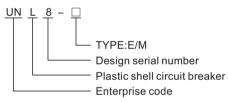
RCCB(UNL8 Electronic/Electro-Magnetic)



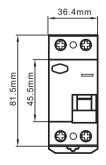
Product advantage

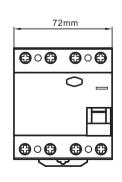
- Ambient air temperature: ambient air temperature -5 degrees -40 degrees, average no more than 35 degrees within 24 hours.
- Altitude: the altitude of the installation site does not exceed 2000m.
- Atmospheric conditions: The relative humidity of the air at the installation site does not exceed 50% at a maximum temperature of 40 degrees, and the relative humidity does not exceed 90% at a minimum temperature of not more than 20%.
- Installation method: using standard Din-rail installation.
- Pollution level: Level II.
- Installation conditions: The external magnetic field of the installation site should not exceed 5 times of the geomagnetic field in any direction. The leakage circuit breaker is generally installed vertically, the handle is upwardly connected to the power supply position, and the installation site should have no significant impact and vibration.
- Wiring method: tighten the wiring with screws.

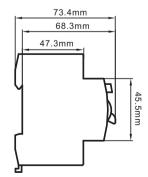
Model meaning

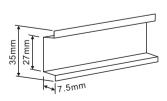


Outline dimension















Туре			UNL8	
No of poles				2,4
Туре				Eletronic/Electro-Magnetic
Rated current	In	Α		25,32,40,63
Rated residual current	lΔ	Ма		30,100, 300
Tripping range	lΔ	Ма		0,5-1 x I∆n
Rated frequency		Hz		50-60
Type class				AC, A, S
Rated voltage	Ue	V	Ac	240
Rated insulation voltage	Ui	V		500
Rated impulse withstand voltage	Uimp	Kv		4.5
Rated short circuit capacity		Α		6000
Electrical life	Ope.	V	230	4000
Mechanical life	Ope.			20000
Degree of protection				IP 20(IP 40)
Ambient operational temperature		°C		-25/+70
Storage temperature		°C		-40/+75
Fixing (en 60715)				35mm DIN rail
Connection cross section (min/max)		mm²		1,5-35

Residual Current Circuit Breaker

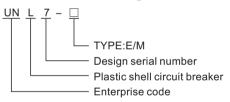
RCCB(UNL7 Electronic/Electro-Magnetic)



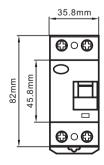
Product advantage

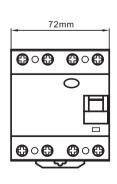
- Ambient air temperature: ambient air temperature -5 degrees -40 degrees, average no more than 35 degrees within 24 hours.
- Altitude: the altitude of the installation site does not exceed 2000m.
- Atmospheric conditions: The relative humidity of the air at the installation site does not exceed 50% at a maximum temperature of 40 degrees, and the relative humidity does not exceed 90% at a minimum temperature of not more than 20%.
- Installation method: using standard Din-rail installation.
- Pollution level: Level III.
- Installation conditions: The external magnetic field of the installation site should not exceed 5 times of the geomagnetic field in any direction. The leakage circuit breaker is generally installed vertically, the handle is upwardly connected to the power supply position, and the installation site should have no significant impact and vibration.
- · Wiring method: tighten the wiring with screws.

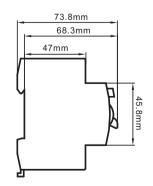
Model meaning

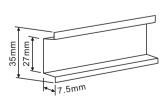


Outline dimension











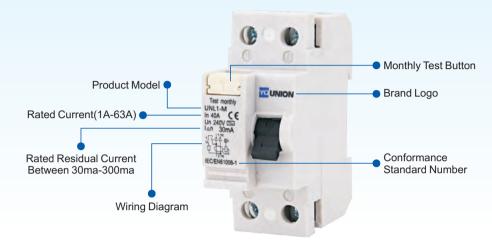




Туре			UNL7	
No of poles				2,4
Туре				Eletronic/Electro-Magnetic
Rated current	In	Α		25,32,40,63
Rated residual current	lΔ	Ма		30,100, 300
Tripping range	lΔ	Ма		0,5-1 x I∆n
Rated frequency		Hz		50-60
Type class				AC, A, S
Rated voltage	Ue	V	Ac	240
Rated insulation voltage	Ui	V		500
Rated impulse withstand voltage	Uimp	Kv		4.5
Rated short circuit capacity		Α		6000
Electrical life	Ope.	V	230	4000
Mechanical life	Ope.			20000
Degree of protection				IP 20(IP 40)
Ambient operational temperature		°C		-25/+70
Storage temperature		°C		-40/+75
Fixing (en 60715)				35mm DIN rail
Connection cross section (min/max)		mm²		1,5-35

Residual Current Circuit Breaker

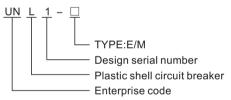
RCCB(UNL1 Electronic/Electro-Magnetic)



Product advantage

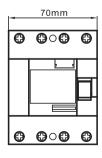
- Ambient air temperature: ambient air temperature -5 degrees -40 degrees, average no more than 35 degrees within 24 hours.
- Altitude: the altitude of the installation site does not exceed 2000m.
- Atmospheric conditions: The relative humidity of the air at the installation site does not exceed 50% at a maximum temperature of 40 degrees, and the relative humidity does not exceed 90% at a minimum temperature of not more than 20%.
- Installation method: using standard Din-rail installation.
- Pollution level: Level II.
- Installation conditions: The external magnetic field of the installation site should not exceed 5 times of the geomagnetic field in any direction. The leakage circuit breaker is generally installed vertically, the handle is upwardly connected to the power supply position, and the installation site should have no significant impact and vibration.
- Wiring method: tighten the wiring with screws.

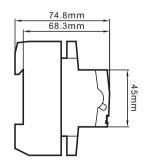
Model meaning

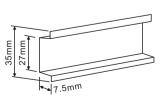


Outline dimension















Туре			UNL1	
No of poles				2,4
Туре				Eletronic/Electro-Magnetic
Rated current	In	Α		25,32,40,63
Rated residual current	lΔ	Ма		30,100, 300
Tripping range	lΔ	Ма		0,5-1 x I∆n
Rated frequency		Hz		50-60
Type class				AC, A, S
Rated voltage	Ue	V	Ac	240
Rated insulation voltage	Ui	V		500
Rated impulse withstand voltage	Uimp	Kv		4.5
Rated short circuit capacity		Α		6000
Electrical life	Ope.	V	230	4000
Mechanical life	Ope.			20000
Degree of protection				IP 20(IP 40)
Ambient operational temperature		°C		-25/+70
Storage temperature		°C		-40/+75
Fixing (en 60715)				35mm DIN rail
Connection cross section (min/max)		mm²		1.5-35

Residual Current Circuit Breaker

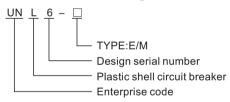
RCCB(UNL6 Electronic/Electro-Magnetic)



Product advantage

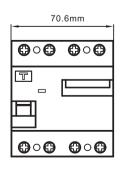
- Ambient air temperature: ambient air temperature -5 degrees -40 degrees, average no more than 35 degrees within 24 hours.
- Altitude: the altitude of the installation site does not exceed 2000m.
- Atmospheric conditions: The relative humidity of the air at the installation site does not exceed 50% at a maximum temperature of 40 degrees, and the relative humidity does not exceed 90% at a minimum temperature of not more than 20%.
- Installation method: using standard Din-rail installation.
- Pollution level: Level II.
- Installation conditions: The external magnetic field of the installation site should not exceed 5 times of the geomagnetic field in any direction. The leakage circuit breaker is generally installed vertically, the handle is upwardly connected to the power supply position, and the installation site should have no significant impact and vibration.
- Wiring method: tighten the wiring with screws.

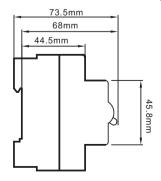
Model meaning

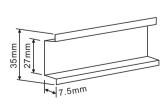


Outline dimension

35.8mm 45.8mm









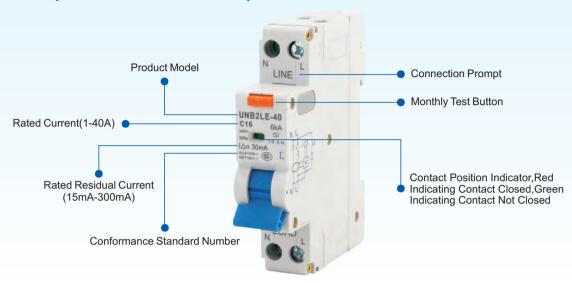




Туре			UNL6	
No of poles				2,4
Туре				Eletronic/Electro-Magnetic
Rated current	In	Α		25,32,40,63
Rated residual current	lΔ	Ма		30,100, 300
Tripping range	lΔ	Ма		0,5-1 x l∆n
Rated frequency		Hz		50-60
Type class				AC, A, S
Rated voltage	Ue	V	Ac	240
Rated insulation voltage	Ui	V		500
Rated impulse withstand voltage	Uimp	Kv		4.5
Rated short circuit capacity		Α		6000
Electrical life	Ope.	V	230	4000
Mechanical life	Ope.			20000
Degree of protection				IP 20(IP 40)
Ambient operational temperature		°C		-25/+70
Storage temperature		°C		-40/+75
Fixing (en 60715)				35mm DIN rail
Connection cross section (min/max)		mm²		1,5-35

Residual Current Circuit Breaker with Overcurrent Protection

RCBO(UNB2LE-40 Electronic)

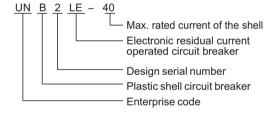


Product advantage

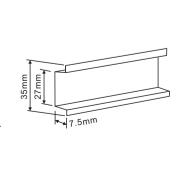
- High frame level 1P+N double breaking point(18mm width, module up to 40A),high breaking capacity(up to 6kA).
- Terminal with error protected terminal blocks, and higher safety with contact position indicating window.
- Current limited contact system,magnetic blow-out type arc extinguishing device,can avoid products and equipment from large short circuit current, and improve the arc extinguishing ability of products, then make sure the enhancement of breaking capacity.
- The shell and funcion keys are all made by PA66 nylon which with high flame retardant, high temperature resistance, impact resistant plastics.
- Innovative appearance, reasonable structure and with multiple patent protection. The products with overload, short circuit, leakage protection functions.

Model meaning

18mm



Outline dimension





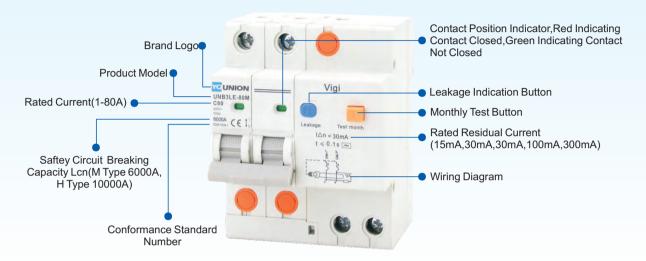
■Standard settings □ Optiona

/None

Product model				UNB2LE-40
Pole number				1P+N
Shelf rated current		A	4	40
Technical paramete	rs			
Rated working volta	ge	Ue	VAC	230
Rated current		In	Α	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40
Rated residual curre	ent	l∆n	mA	15, 3 0, 50, 100, 200, 300
Type class				A /AC
Rated insulation vol	tage			500
Rated impulse withsta	and voltage	Uimp	kV	4
Туре				/
Breaking capacity o	perating	Icn	kA	6
Breaking capacity fo		lcs	%Icn	100%
Curve type				B, C
Release type				Thermomagnetic
		Actual a	average	20000
Service life	Mechanical		rd value	8500
(O~CO)		Actual a	average	10000
	Electrical	Standard value		1500
Control and indication	on			
Auxiliary contact				
Alarm contact				
Shunt release				
Under release				
Voltage release				
Connection and inst	allation			
	Alls	ides		lp40
Protection grade	Connec	onnection port		lp20
Handle lock				ON OFF Position
Connection ability		mı	m^2	1 ~10
Ambient temperatur	e		C	-30 ~+70
Humidity and heat re				Level 2
Altitude		r	n	2000
Relative humidity of	Relative humidity of air			+20 , 95%; +40 , 50%
Pollution grade			3	
Installation environment			Without significant vibration and impact	
Installation category			II class	
Installation mode				35mm DIN rail
		á	а	18
Shape dimensions(r	mm)	ŀ	b	82
W*H*D		С		71.6
Weight		9	g	118
<u>-</u>				

Residual Current Circuit Breaker with Overcurrent Protection

RCBO(UNB3LE-80M 6KA/10KA Electronic)



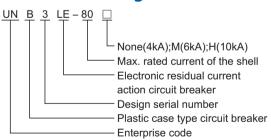
The main technical parameters

- The main techniacl parameters accord with GB16917-1 standard parameters.
- Rated breaking capacity 10KA.
 Mechanical life 20000 times.
 Electrical life 10000 times.
- With residual current protection, short circuit protection, overload protection, leakage tripping function can be put into use, exit
 with short circuit.
- Overload protection tripping window indication function, leakage protection can enter the locking state when the power is not
 allowed to be cut off or when the fault is over hauled, the protector loses the leakage protection tripping function.
- Material with V-0 grade flame-retardant property is selected.

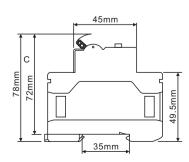
Product advantage

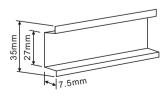
- · High breaking capacity, shrong practicability of accessories.
- Combined terminal with touch protection and red and green safety indication.higher safety
- Current limiting contact system to avoid short circuit current of products and equipment, Increase the service life of monthly equipment.
- Shell and some functional parts are inported and exported high flame retardant,hightemperature resistance,impact resistant plastics made o.
- The appearance is beautiful, the volume is small.
- Leakage function may withdraw, suitable each kind of place.
- May make the rated leakoge action current adjustable.
- L pole N pole to have the overload protection function.

Model meaning



Outline dimension



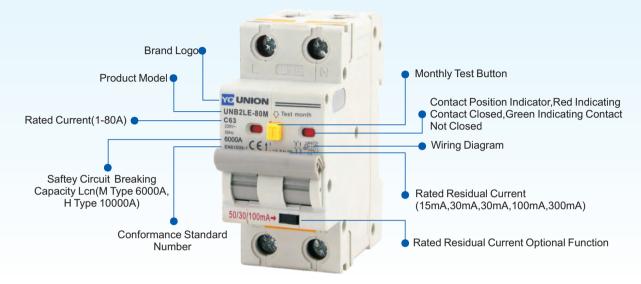




Product model						UNB3LE-80M				
Pole number				1P+N	2P	3 P	3P+N	4P		
Shelf rated current		A	Α			80				
Technical parameter	rs									
Rated working voltage	ge	Ue	VAC	23	30		400			
Rated current		In	Α	1, 2, 3	3, 4, 6, 10,	16, 20, 25,	32, 40, 50,	63, 80		
Rated residual curre	ent	l∆n	mA		10, 15,	3 0 , 50 , 100 ,	200、300			
Type class						A /AC				
Rated insulation vol	tage					500				
Rated impulse withsta		Uimp	kV			4				
Туре	· ·					M <i>I</i> H				
Breaking capacity or	perating	Icn	kA			6/10				
Breaking capacity for	-	lcs	%Icn			100%/70%				
Curve type						B, C, D				
Release type						Thermomagnet	ic			
7,5-		Actual a	average			20000				
Service life	Mechanical		rd value			8500				
(O~CO)			average			10000				
	Electrical		rd value			1500				
Control and indication	on									
Auxiliary contact										
Alarm contact										
Shunt release										
Under release										
Voltage release										
Connection and inst	allation									
Conficotion and mot	Alls	ides		lp40						
Protection grade	Connec			lp20						
Handle lock	2222			ON OFF Position						
Connection ability		mı	m^2	1-35						
Ambient temperatur	e		m² C		-30 ~+70					
Humidity and heat re				Level 2						
Altitude	0.0.0.0.00	r	n			2000				
Relative humidity of	air	·			+20 ,	95% ; 4 0	, 50%			
Pollution grade					.20 ,	3	, 0070			
Installation environn	nent				Without sig	nificant vibratio	n and impact			
Installation category				. Thirloat sig	II class	and impact				
Installation mode					35mm DIN rail					
motanation mode			а	54	72	103	117	135		
Shape dimensions(r	mm)		b D	92	92	92	92	92		
W*H*D			0	72.6	72.6	72.6	72.6	72.6		
Weight			g	282	401	580.5	620.5	737.5		
■Standard settings	0-4:	/None		202	401	300.5	020.0	131.3		

Residual Current Circuit Breaker with Overcurrent Protection

Adjustable RCBO(UNB2LE-80M 6KA/10KA Electronic)



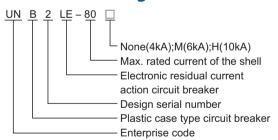
The main technical parameters

- The main techniacl parameters accord with GB16917-1 standard parameters.
- Rated breaking capacity 10KA.
 Mechanical life 20000 times.
 Electrical life 10000 times.
- With residual current protection, short circuit protection, overload protection, leakage tripping function can be put into use, exit
 with short circuit.
- Overload protection tripping window indication function, leakage protection can enter the locking state when the power is not
 allowed to be cut off or when the fault is over hauled, the protector loses the leakage protection tripping function.
- Material with V-0 grade flame-retardant property is selected.

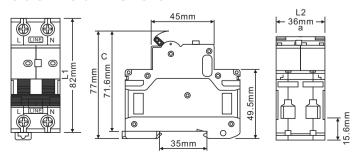
Product advantage

- · High breaking capacity, shrong practicability of accessories.
- Combined terminal with touch protection and red and green safety indication.higher safety
- Current limiting contact system to avoid short circuit current of products and equipment, Increase the service life of monthly equipment.
- Shell and some functional parts are inported and exported high flame retardant, high temperature resistance, impact resistant plastics made o.
- The appearance is beautiful, the volume is small, the width is only 36mm.
- Leakage function may withdraw, suitable each kind of place.
- May make the rated leakoge action current adjustable.
- L pole N pole to have the overload protection function.

Model meaning



Outline dimension



Applications

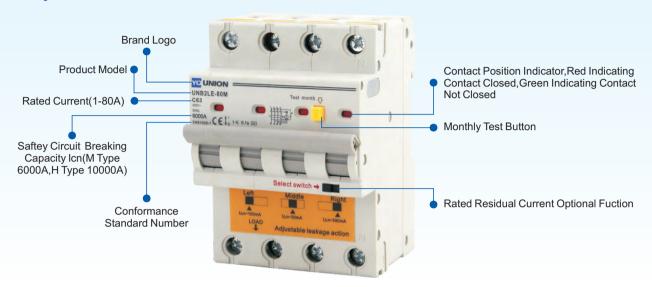




Product model				UNB2LE-80M				
Pole number				2P				
Shelf rated current		A	A	80				
Technical paramete	Technical parameters							
Rated working volta	ge	Ue	VAC	230				
Rated current		In	Α	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80				
Rated residual curre	ent	I∆n	mA	10、15、3 0、50、100、200、300 (Can se lect residual current)				
Type class				A /AC				
Rated insulation vol	tage			500				
Rated impulse withsta	and voltage	Uimp	kV	4				
Туре				M <i>I</i> H				
Breaking capacity o	perating	Icn	kA	6/10				
Breaking capacity fo	orce	lcs '	%lcn	100%/70%				
Curve type				B, C, D				
Release type				Thermomagnetic				
		Actual a	average	20000				
Service life	Mechanical	Standa	rd value	8500				
(O~CO)		Actual average		10000				
	Electrical	Standard value		1500				
Control and indication	on							
Auxiliary contact								
Alarm contact								
Shunt release								
Under release								
Voltage release								
Connection and inst	allation							
Duete etien ande	Alls	ides		lp40				
Protection grade	Connec	tion port		lp20				
Handle lock				ON OFF Position				
Connection ability		mı	m^2	1 ~35				
Ambient temperatur	е	°(С	-30 ~+70				
Humidity and heat re	esistance			Level 2				
Altitude		n	n	2000				
Relative humidity of	air			+20 , 95%; +40 , 50%				
Pollution grade				3				
Installation environment				Without significant vibration and impact				
Installation category				II class				
Installation mode			35mm DIN rail					
Shana dimanaian-	mm)	á	а	36				
Shape dimensions(r W*H*D	11111)	k)	82				
VVIID		(С	72.6				
Weight		(9	210.5				
■Standard settings	□ Optiona	/None	;					

Residual Current Circuit Breaker with Overcurrent Protection

Adjustable RCBO(UNB2LE-80M 6KA/10KA Electronic)

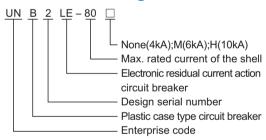


UNB2LE series leakage circuit breaker is suitable for AC 50HZ60HZ rated voltage AC400.415V, rated current to 80A circuit, as personal shock, equipment leakage protection, and has overload, short circuit, leakage protection function, and can be customized with over- voltage protection, Leakage action current adjustable product, also can be used as the line of infrequent conversion.

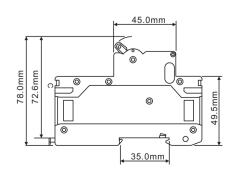
Product advantage

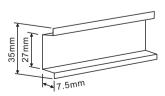
- Ambient air temperature: ambient air temperature average not exceeding 35 degrees and degrees within 24H.
- Altitude: altitude of installation site not exceeding 2000m.
- Atmospheric conditions: The air relative humidity of the installation place does not exceed 50% 4 at the maximum temperature of 40 hours above 20:00 the relative humidity does not exceed 90%.
- Installation method: adopt standard guideway installation(TH35-7.5).
- Pollution class: III class
- Installation condition: installation place The external magnetic field should not exceed 5 times the geomagnetic field in any direction, Leakage circuit breaker is generally installed vertically, the handle is connected to the power supply position, and there should be no significant impact and vibration in the installation place.
- · Connection mode: screw connection.

Model meaning



Outline dimension







Product model				UNB2LE-80M				
Pole number				4P				
Shelf rated current		A	4	80				
Technical parameter	Technical parameters							
Rated working voltage	ge	Ue	VAC	400				
Rated current		In	Α	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 6 3, 80				
Rated residual curre	ent	I∆n	mA	10, 15, 3 0, 50, 100, 200(Can select residual current)				
Type class				A /AC				
Rated insulation vol	tage			500				
Rated impulse withsta	and voltage	Uimp	kV	4				
Туре				M H				
Breaking capacity of	perating	Icn	kA	6/10				
Breaking capacity fo	rce	lcs '	%Icn	100%/70%				
Curve type				B, C				
Release type				Thermomagnetic				
	March	Actual a	average	20000				
Service life	Mechanical	Standa	rd value	8500				
(O~CO)		Actual average		10000				
	Electrical	Standard value		1500				
Control and indication	on							
Auxiliary contact								
Alarm contact								
Shunt release								
Under release								
Voltage release								
Connection and inst	allation							
Drataction grade	Alls	ides		lp40				
Protection grade	Connec	tion port		lp20				
Handle lock				ON OFF Position				
Connection ability		mı	m^2	1 ~35				
Ambient temperatur	е	°(С	-30 ~+70				
Humidity and heat re	esistance			Level 2				
Altitude		n	n	2000				
Relative humidity of	air			+20 , 95%; +40 , 50%				
Pollution grade				3				
Installation environment				Without significant vibration and impact				
Installation category			II class					
Installation mode			35mm DIN rail					
Shape dimensions(r	mm)	á	а	72				
W*H*D	····· <i>)</i>	k	b	99				
** II D		(С	72.6				
Weight		Ś	g	462.5				
■Standard settings	□ Optiona	/None)					

Residual Current Circuit Breaker with Overcurrent Protection

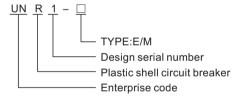
RCBO(UNR1 Electronic/Electro-Magnetic)



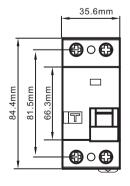
Product advantage

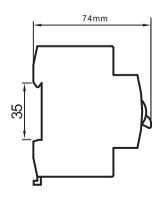
- UNR1 residual current circuit breaker (hereinafter referred to as residual current circuit breaker) is mainly used in the circuit of alternating current 50Hz, rated voltage 240V, rated current 40A.
- Residual current circuit breaker can quickly cut off the fault power supply in a very short time, protect the safety of the person and the electrical equipment, and has the function of overload Short Circuit Protection. It is also suitable for switching off electrical installations and lighting circuits infrequently under normal conditions, especially for industrial and commercial lighting distribution systems.
- Compliance Standard: IEC / EN 61009-1.

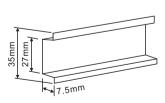
Model meaning



Outline dimension

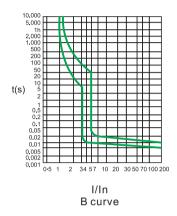


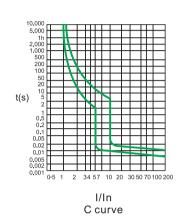




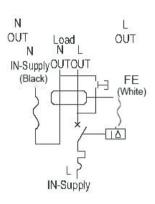


Characteristic Curve





Wiring Diagram



Overload Current Protection Characteristics

Test procedure	Туре	Test current	Intital state	Tripping or Non-tripping Time limit	Expected result	Remark
а	B,C	1.13In	cold	t≥1h	no tripping	
b	B,C	1.45In	after test	t<1h	tripping	Current in 5s up to stable value
С	B,C	2.55	cold	1s <t<60s(in≤32a) 1s<t<120s(in>32A)</t<120s(in></t<60s(in≤32a) 	tripping	
d	В,С	3In	cold	t≥1.0s	no tripping	Turn on the closed auxiliary switch to open the current
		5In				
		10In				
	B,C	3In	cold	t<0.1s	tripping	Turn on the closed auxiliary switch to open the current
е		5In				
		10In				

The terminology"cold state"refes to that no load is carried before testing at the reference setting temperature.

Residual Current Action Breaking Time

Туре	In/A	I∆n/A	Residual current(I \triangle)is corresponding to the following breaking time(s)					
			l∆n	2 l∆n	5 l∆n	5A,10A,20A,50A,100A,200A,500A	l∆t	
general type	any value	any value	0.3	0.15	0.04	0.04	0.04	Max break-time

The general type RCBO whose current I \triangle n is 0.03mA or less can use 0.25A in stead of 5 I \triangle n.

Residual Current Circuit Breaker with Overcurrent Protection



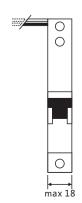
Construction and Feature

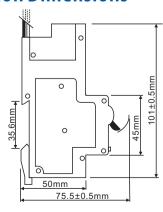
- Provides protection aga inst earth fault/leakage current, short-circuit and overload.
- · High short-circuit capacity.
- Provides complementary protection against direct contact by human body.
- Effectively protects electric equipment against insulating failure.
- Contact position indication.
- Provides protection against over-voltage.
- Provides comprehensive protection to household and commercial distribution systems.

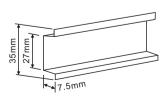
Technical Data

- Type: UNR2 electronic type
- Residual current characteristics: AC
- Pole No.: 1P+N
- Tripping curve: B, C
- Rated short-circuit capacity: 6kA
- Rated current (A): 6, 10,16,20,25,32,40
- Rated voltage: 240V AC
- Rated frequency: 50/60Hz
- Rated residual operating current(mA): 30, 100, 300
- Tripping duration: instantaneous <0.1s
- Electro-mechanical endurance: 4000 cycles
- Connection terminal: pillar terminal with clamp
- Terminal Connection Height:
 H1=20.6mm H2=26.6mm H3=14.5mm
- Connection capacity:Rigid conductor 25mm²
- Installation:
- On symmetrical DIN rail 35.5mm
- Panel mounting

Overall & Installation Dimensions

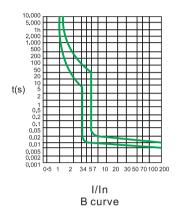


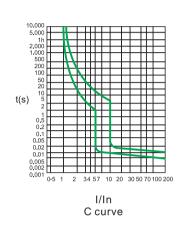




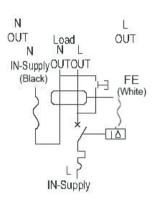


Characteristic Curve





Wiring Diagram



Overload Current Protection Characteristics

Test procedure	Туре	Test current	Intital state	Tripping or Non-tripping Time limit	Expected result	Remark
а	B,C	1.13In	cold	t≥1h	no tripping	
b	B,C	1.45In	after test	t<1h	tripping	Current in 5s up to stable value
С	B,C	2.55	cold	1s <t<60s(in≤32a) 1s<t<120s(in>32A)</t<120s(in></t<60s(in≤32a) 	tripping	
	B,C	3In	cold	t≥1.0s	no tripping	Turn on the closed auxiliary switch to open the current
d		5ln				
		10In				
е	B,C	3In	cold	t<0.1s	tripping	Turn on the closed auxiliary switch to open the current
		5ln				
		10In				

The terminology"cold state"refes to that no load is carried before testing at the reference setting temperature.

Residual Current Action Breaking Time

	Туре	In/A	I∆n/A	Residual current(I \triangle) is corresponding to the following breaking time(s)					
				l∆n	2 l∆n	5 l∆n	5A,10A,20A,50A,100A,200A,500A	l∆t	
	general type	any value	any value	0.3	0.15	0.04	0.04	0.04	Max break-time

The general type RCBO whose current I \triangle n is 0.03mA or less can use 0.25A in stead of 5 I \triangle n.

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