

CHHONEH
鸿衡电气



**PRODUCT
SELECTION MANUAL**
产品选型手册

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浙江鸿衡电气科技有限公司
ZHEJIANG HONGHENG ELECTRICAL TECHNOLOGY CO., LTD

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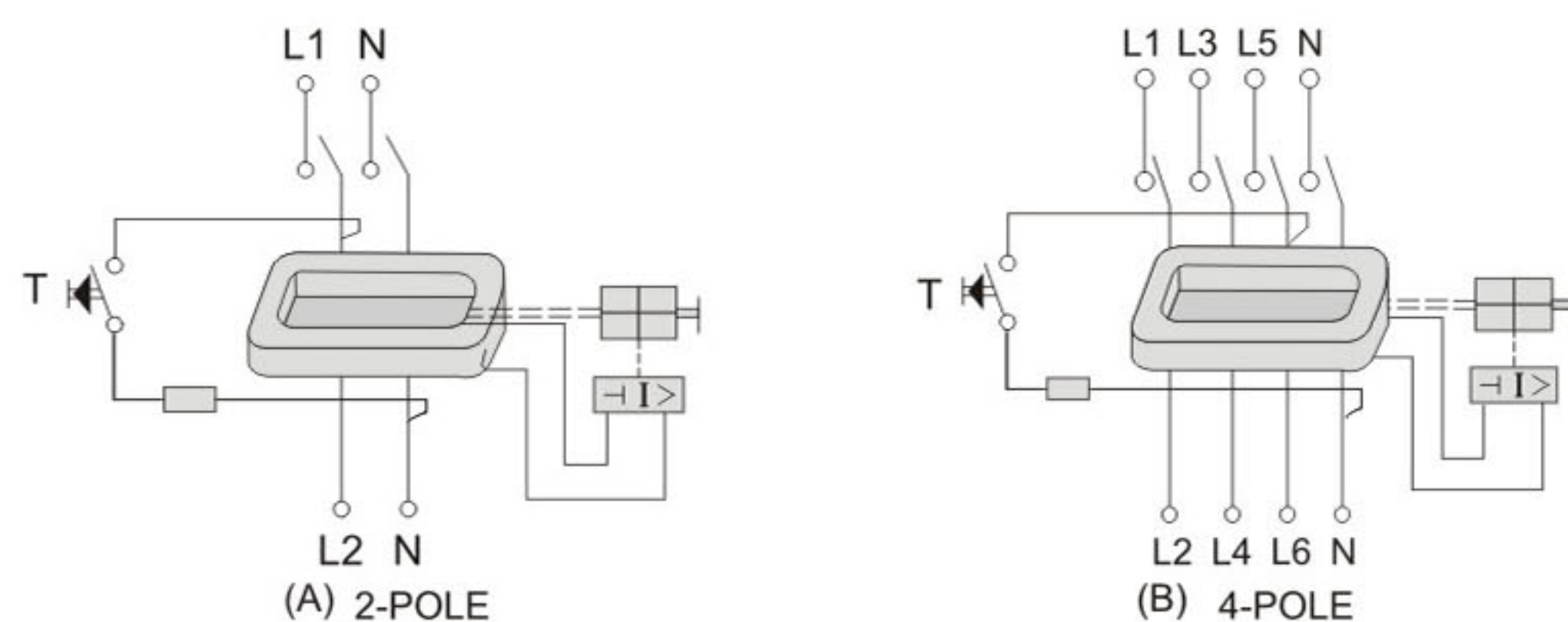
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GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

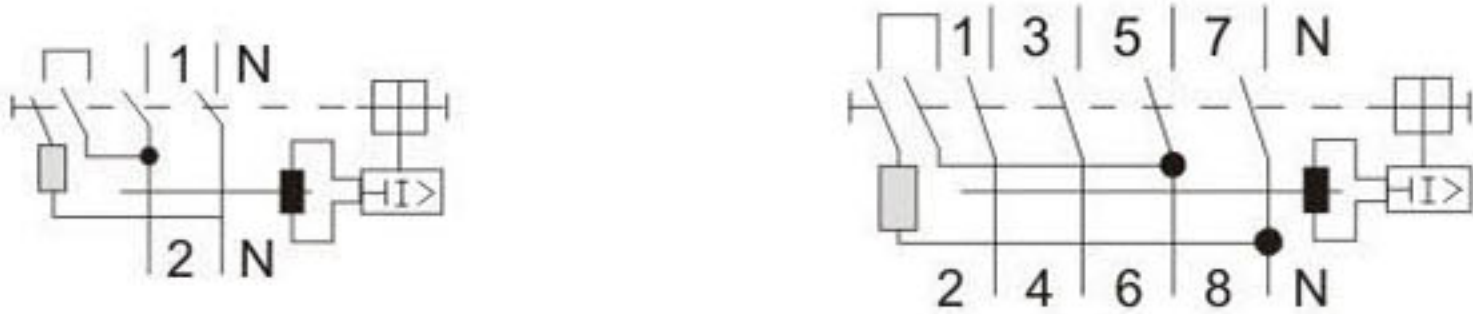
SPECIFICATIONS



SPECIFICATIONS

	Standard	Unit	IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage Ue	V	AC 230/400
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	630
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	8000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
	Terminal connection type		Cable/ U-type busbar/pin-type busbar
Installation	Terminal size top/bottom for cable	mm²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

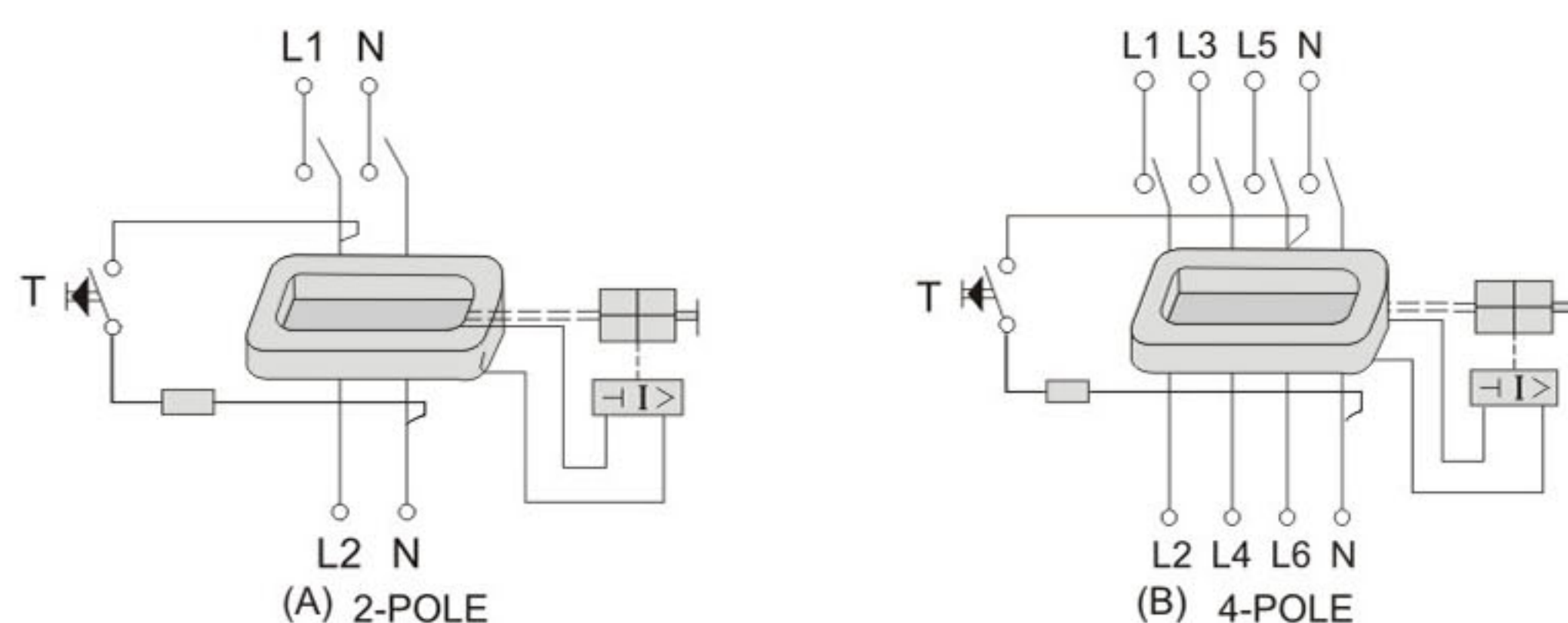




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

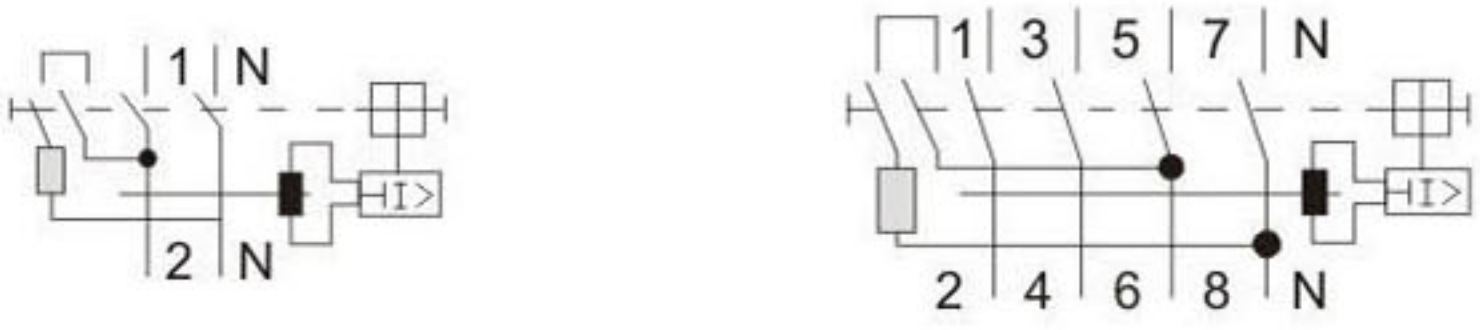
SPECIFICATIONS



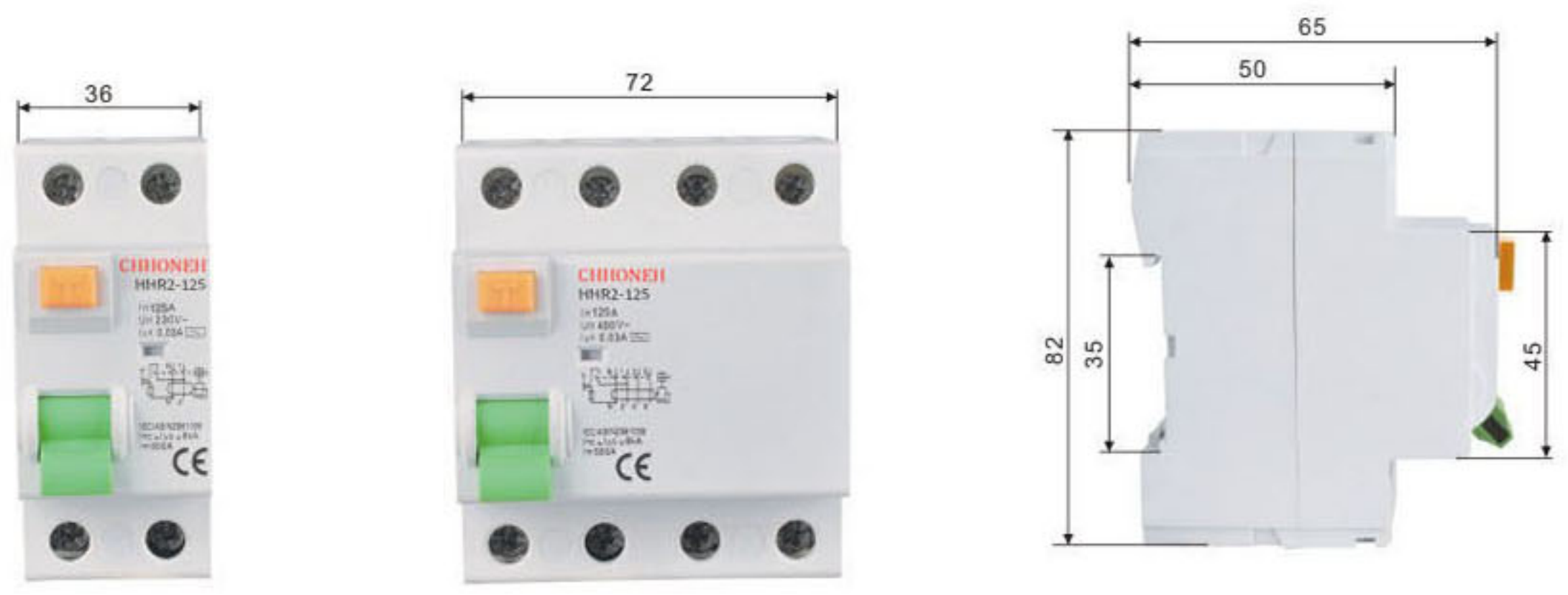
SPECIFICATIONS

	Standard	Unit	IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,63,80,100,125
	Poles	P	2,4
	Rated voltage Ue	V	AC 230/400
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	1250
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
	Terminal connection type		Cable/ U-type busbar/pin-type busbar
Installation	Terminal size top/bottom for cable	mm²	35
		AWG	18-3
	Terminal size top/bottom for busbar	mm²	35
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

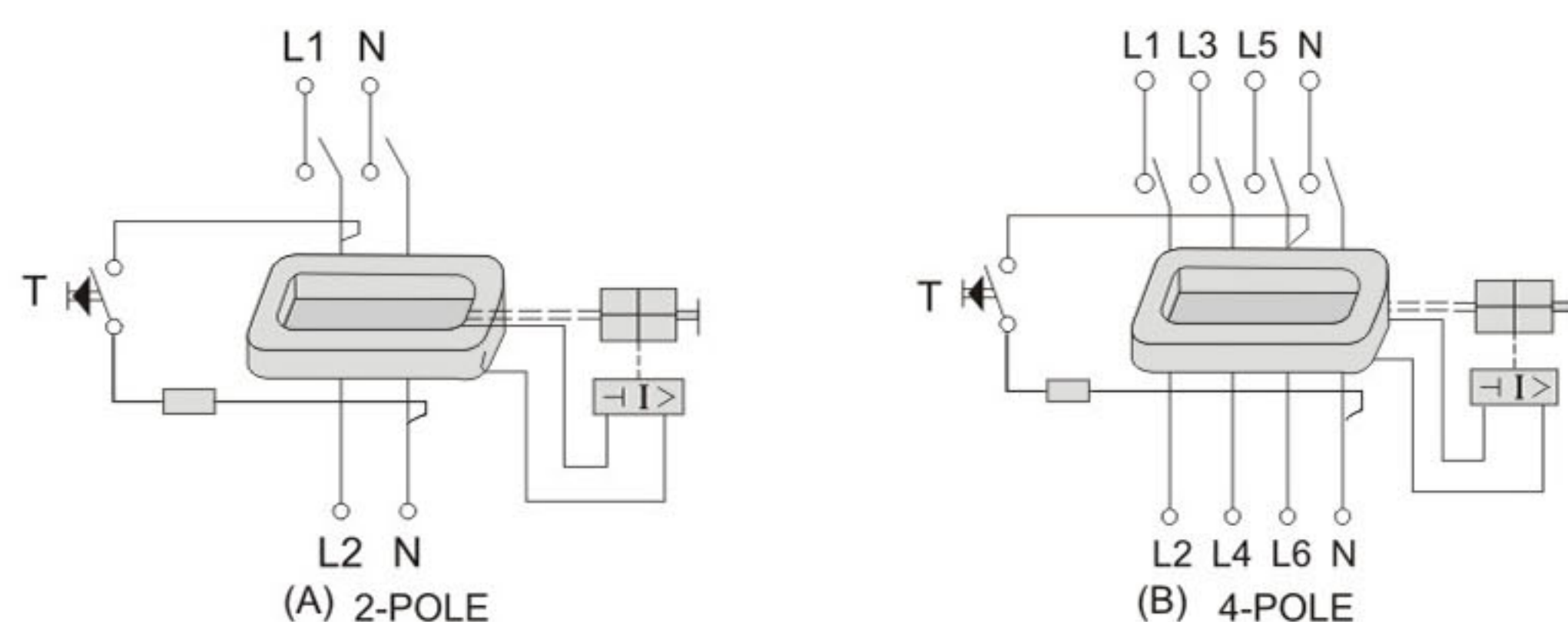




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

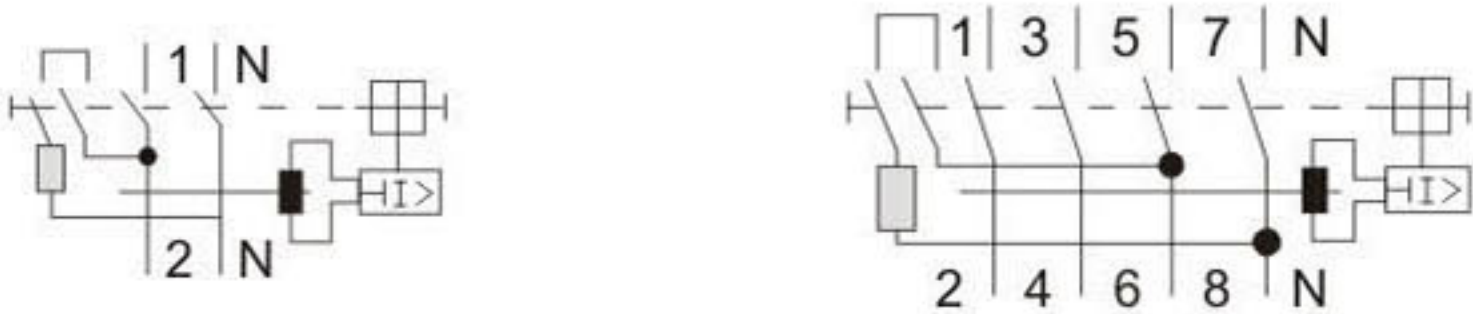
SPECIFICATIONS



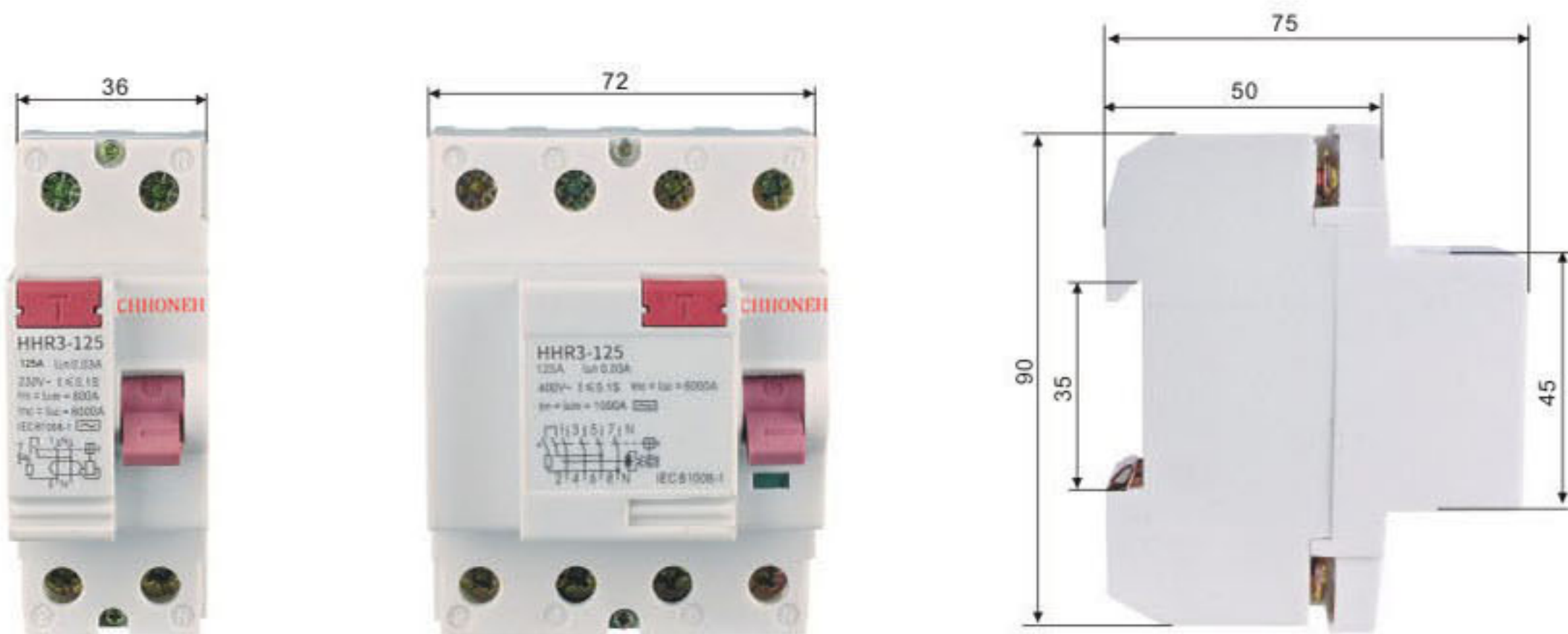
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	Standard	Unit	IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current I _n	A	16,25,32,63,80,100,125
	Poles	P	2,4
	Rated voltage U _e	V	AC 230/400
	Rated sensitivity I _{Δn}	A	0.01,0.03,0.1,0.3
	Insulation voltage U _i	V	500
	Rated residual making and breaking capacity I _{Δm}	A	1250
	Short-circuit current I _{Δc}	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average ≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	35
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	35
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

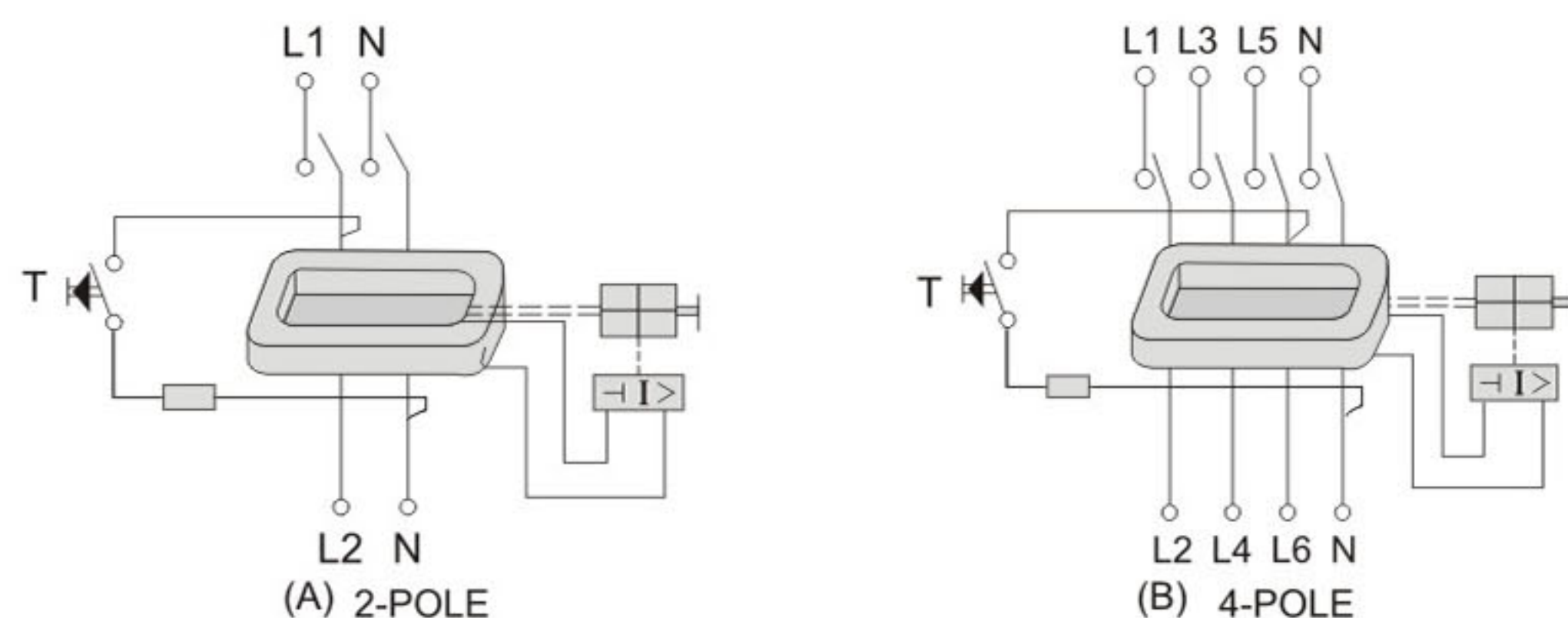




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

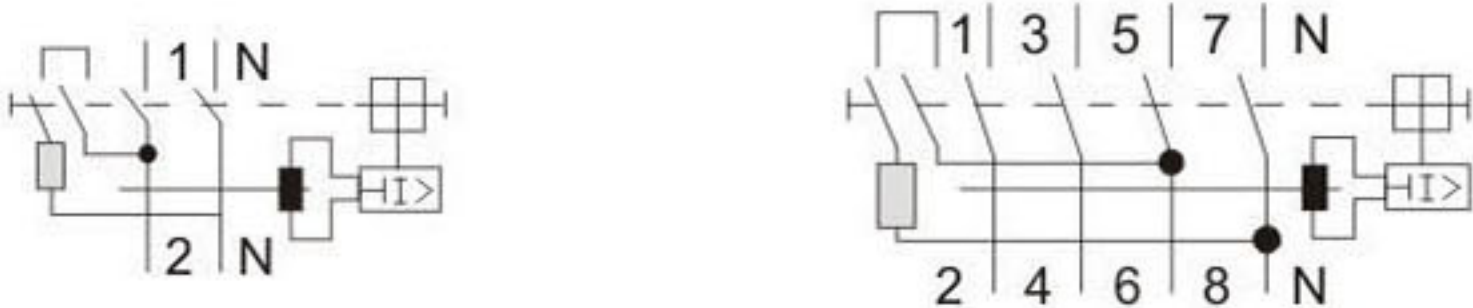
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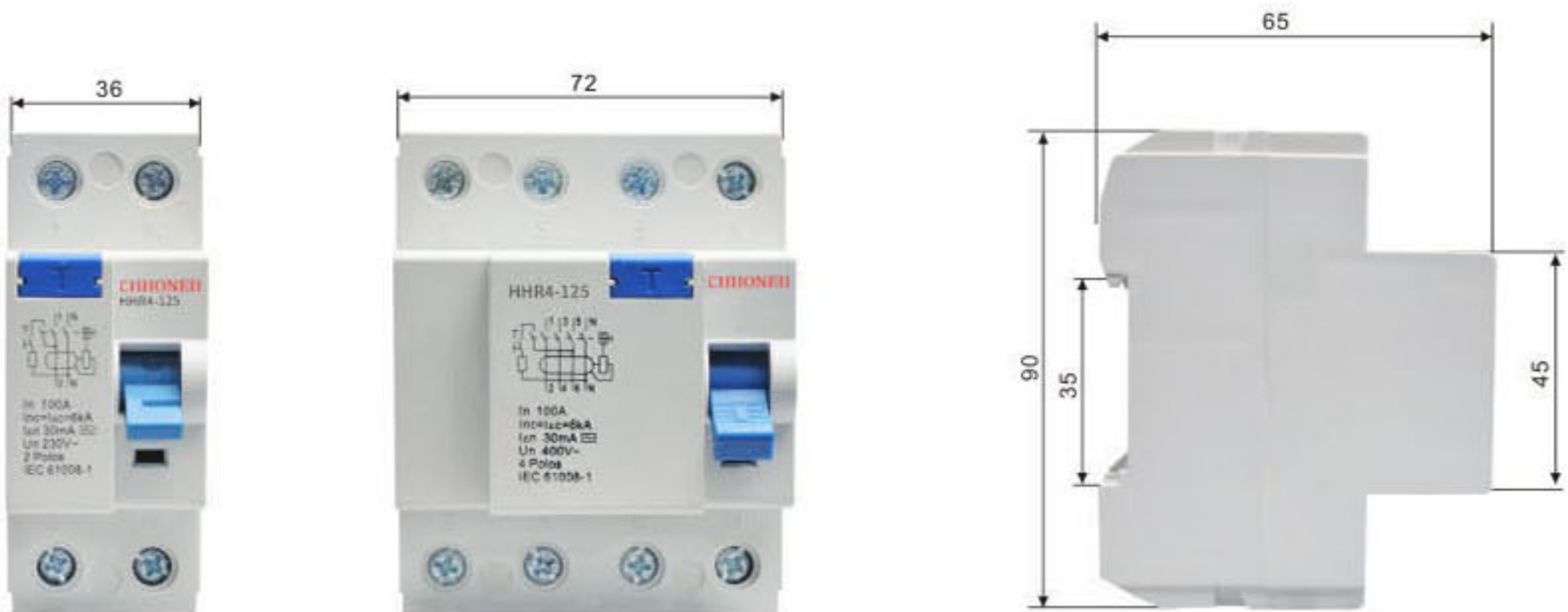
SPECIFICATIONS

	Standard	Unit	IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,63,80,100,125
	Poles	P	2,4
	Rated voltage Ue	V	AC 230/400
	Rated sensitivity I Δ n	A	0.01,0.03,0.1,0.3
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity I Δ m	A	1250
	Short-circuit current I Δ c	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average $\leq 35^{\circ}\text{C}$)	$^{\circ}\text{C}$	-25~+40
	Storage temperature	$^{\circ}\text{C}$	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	35
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	35
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

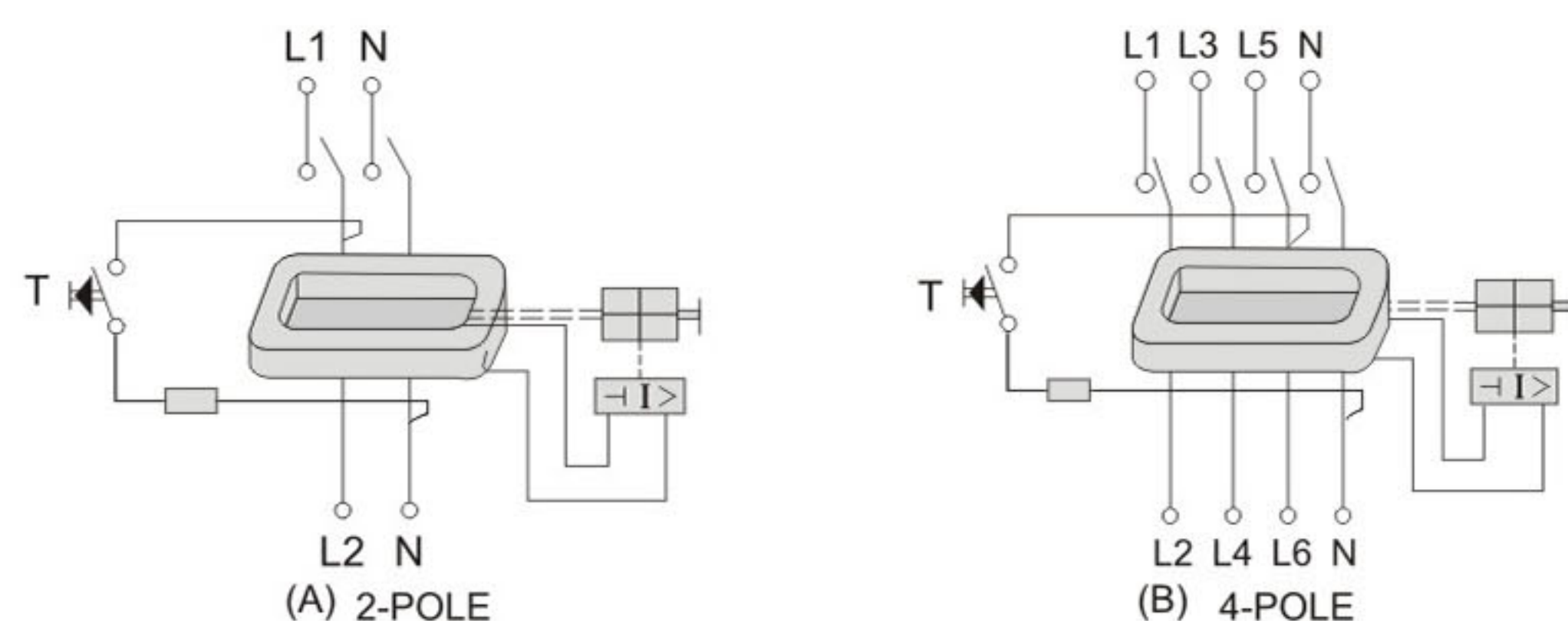




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

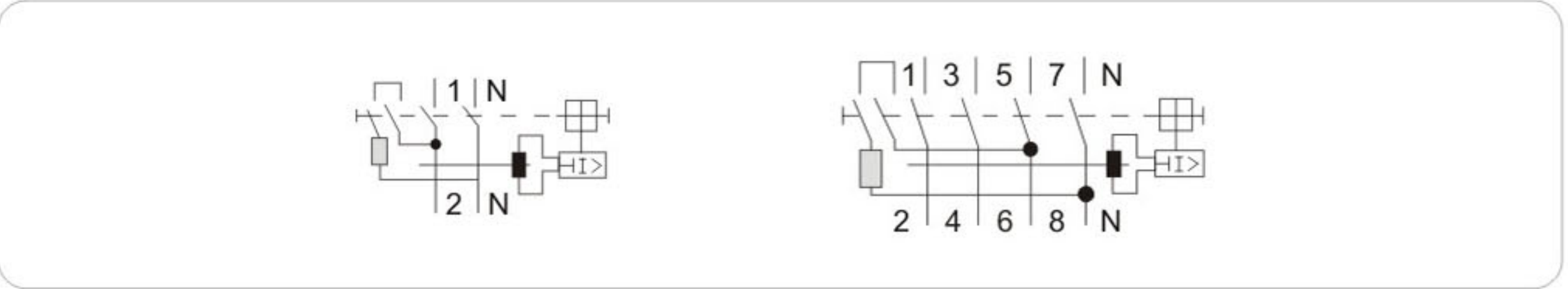
SPECIFICATIONS



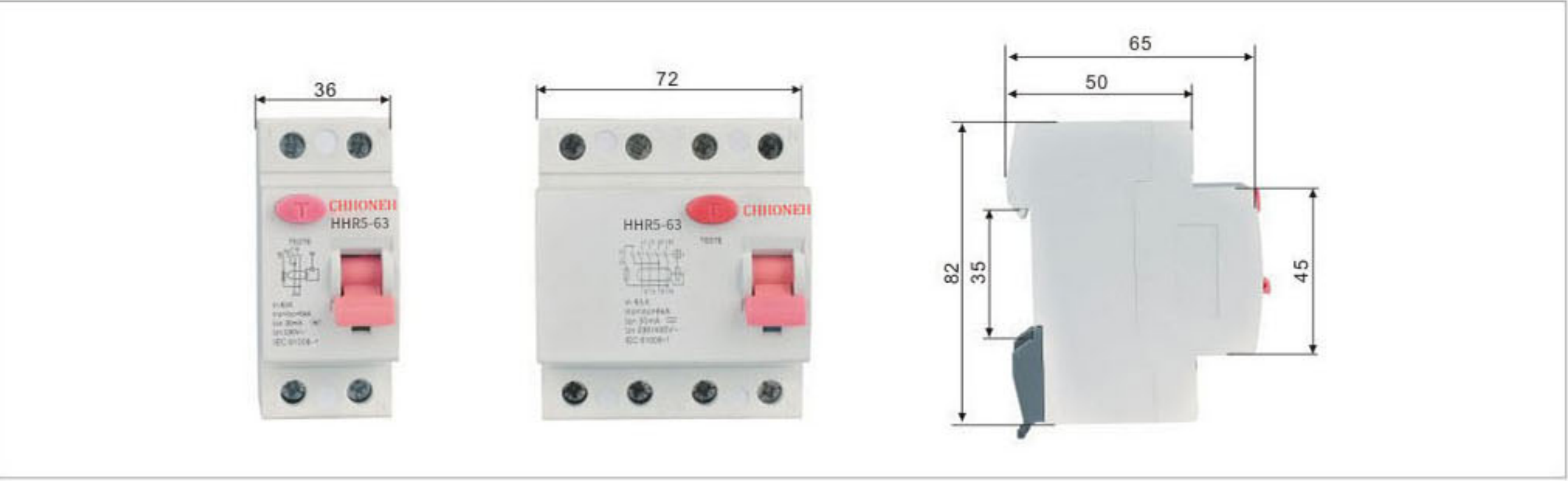
SPECIFICATIONS

	Standard	Unit	IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current I _n	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage U _e	V	AC 230/400
	Rated sensitivity I _{Δn}	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage U _i	V	500
	Rated residual making and breaking capacity I _{Δm}	A	630
	Short-circuit current I _{Δc}	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	35
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	35
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

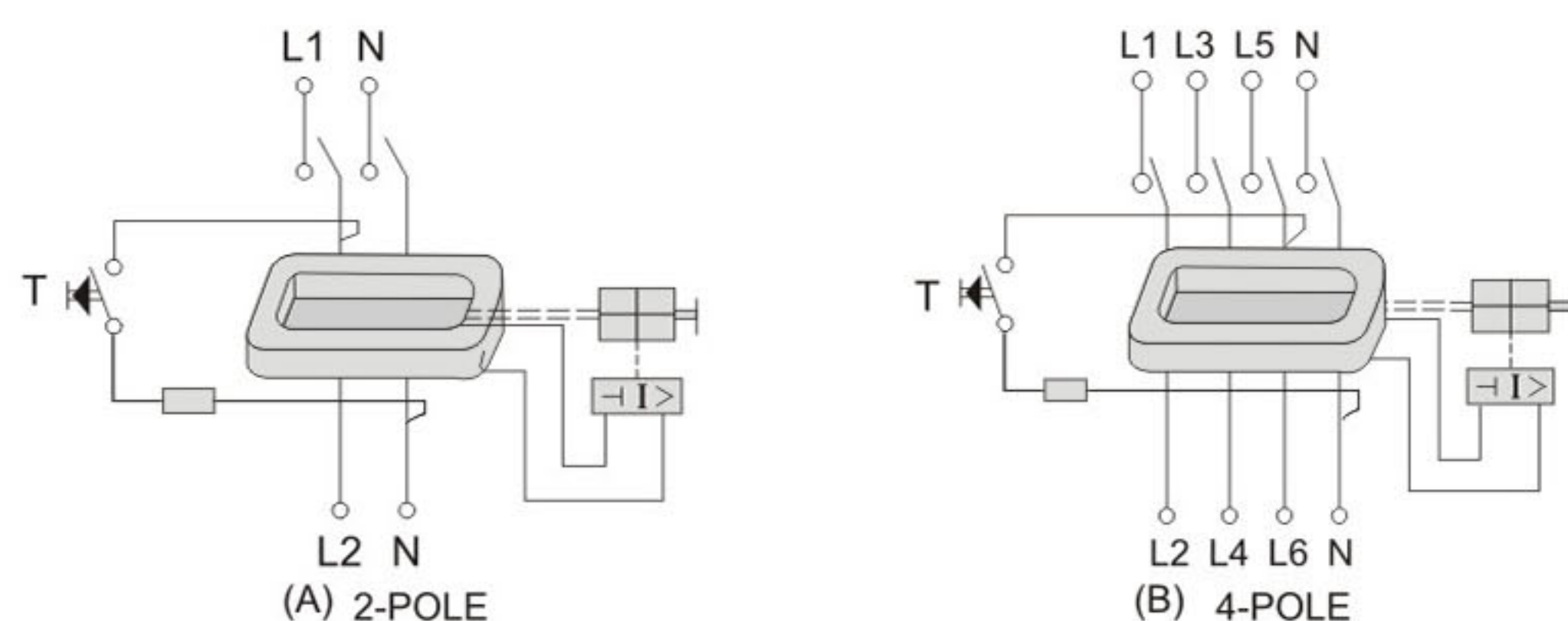




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

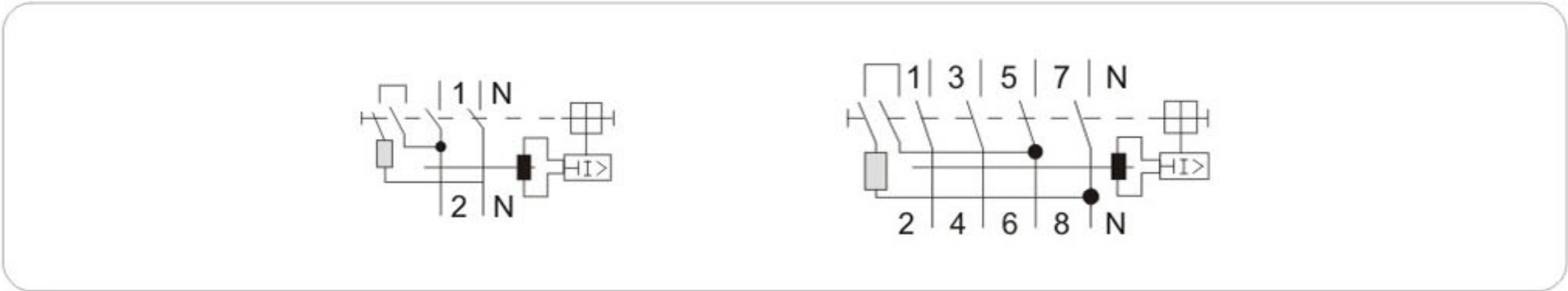
SPECIFICATIONS



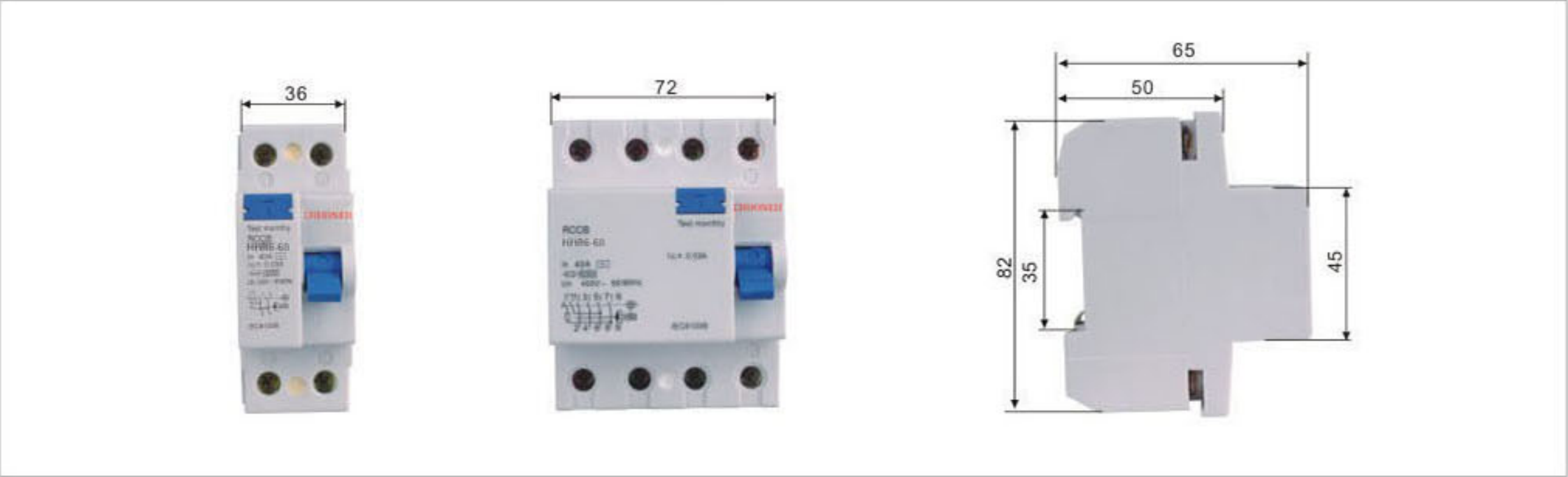
SPECIFICATIONS

	Standard	Unit	IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current I _n	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage U _e	V	AC 230/400
	Rated sensitivity I _{Δn}	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage U _i	V	500
	Rated residual making and breaking capacity I _{Δm}	A	1250
	Short-circuit current I _{Δc}	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average ≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	35
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	35
		AWG	18-3
	Tightening torque	N*m	2.5
		l _n -lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

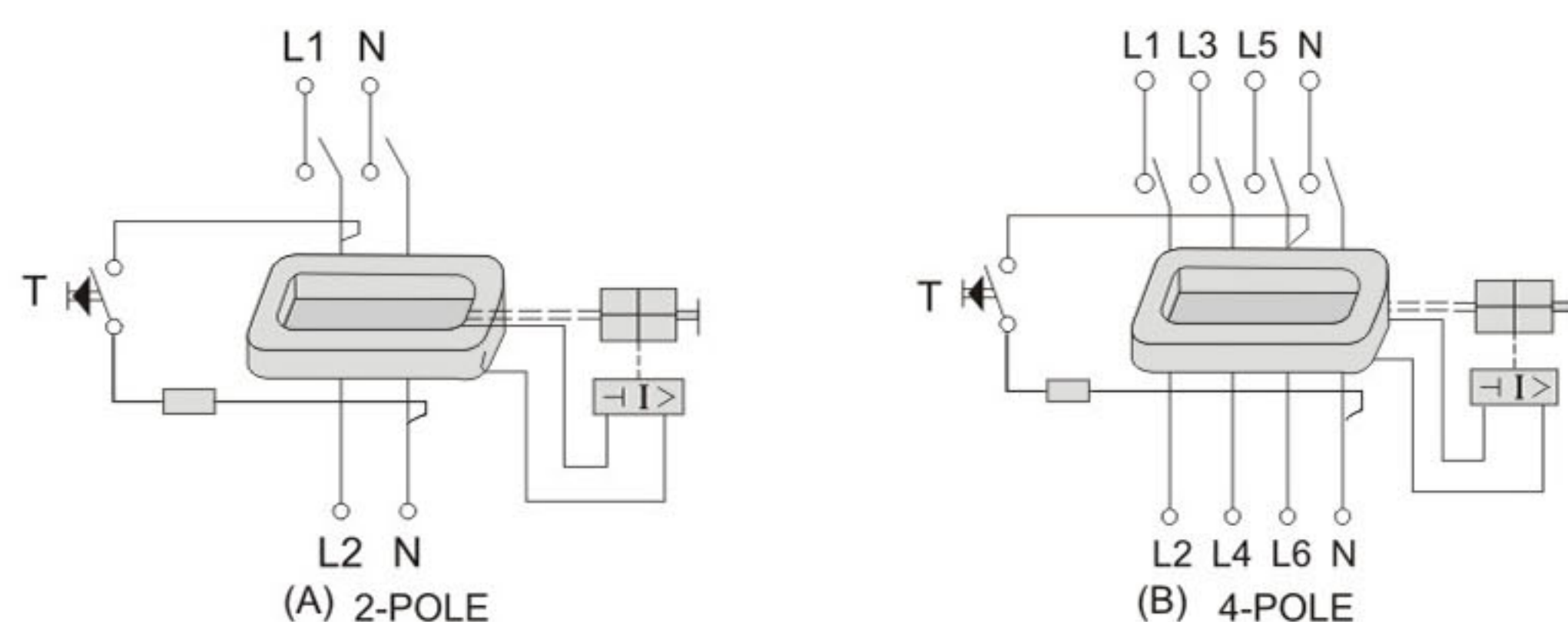




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



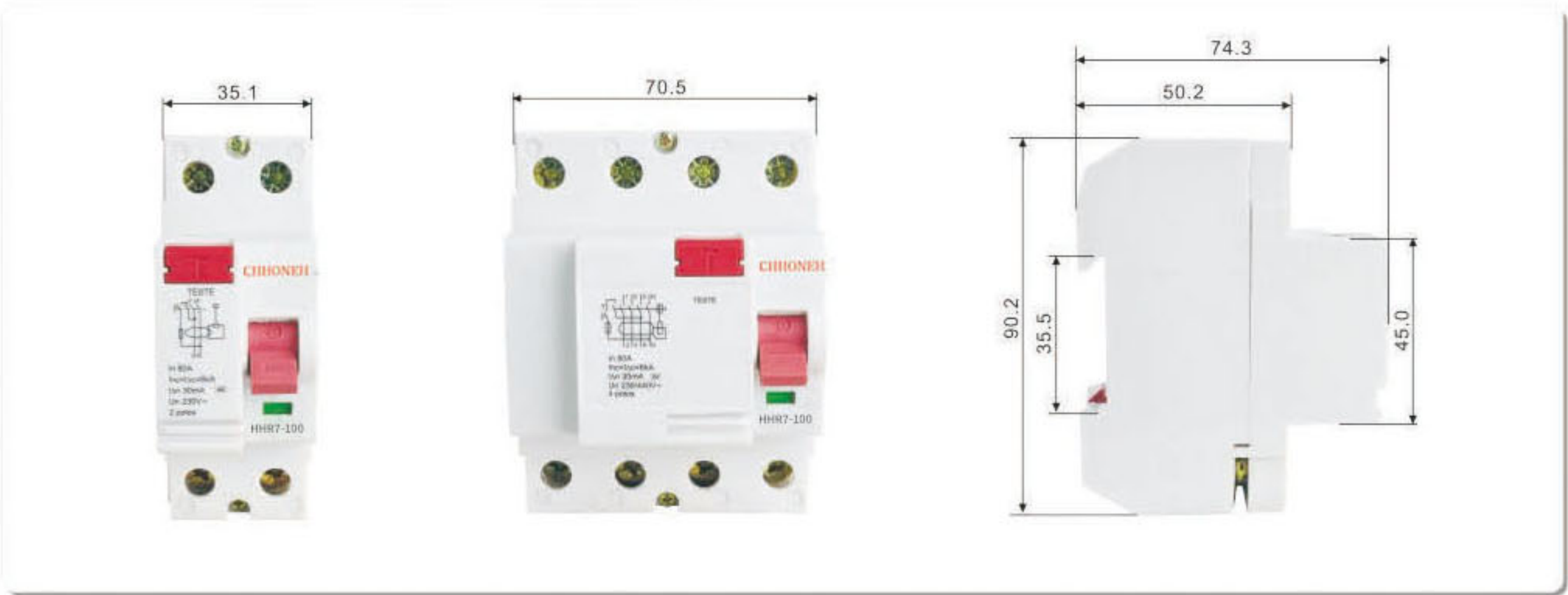
SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63,80,100
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	1000
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	35
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	35
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

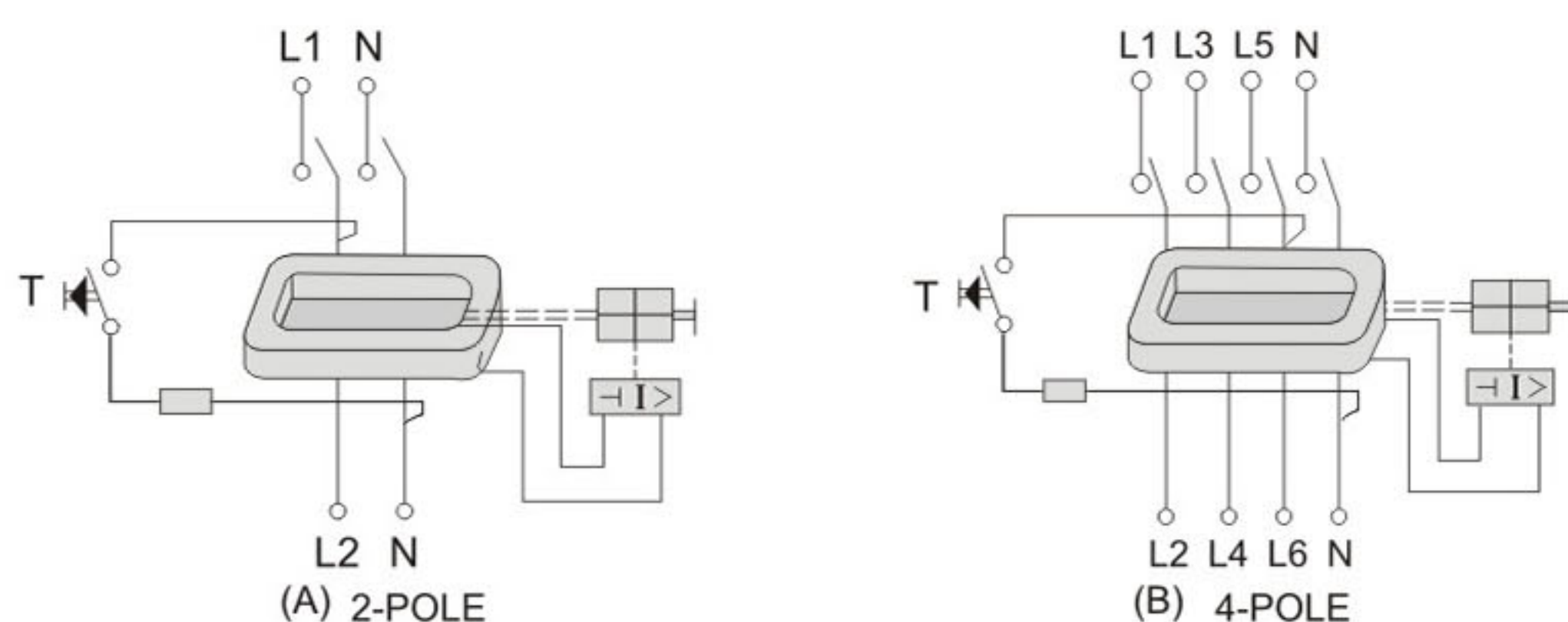




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



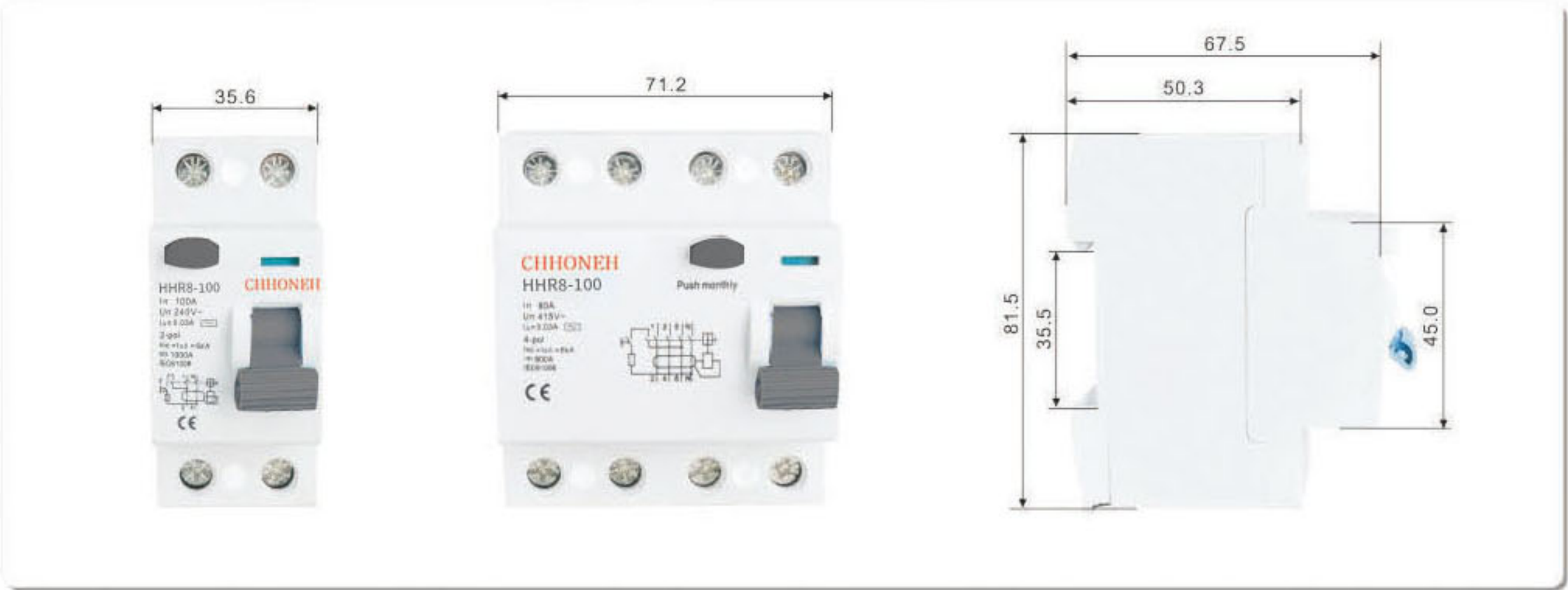
SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63,80,100
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity I Δ n	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity I Δ m	A	1000
	Short-circuit current I Δ c	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average $\leq$ 35 $^{\circ}$ C)	$^{\circ}$ C	-25~+40
	Storage temperature	$^{\circ}$ C	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	35
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	35
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

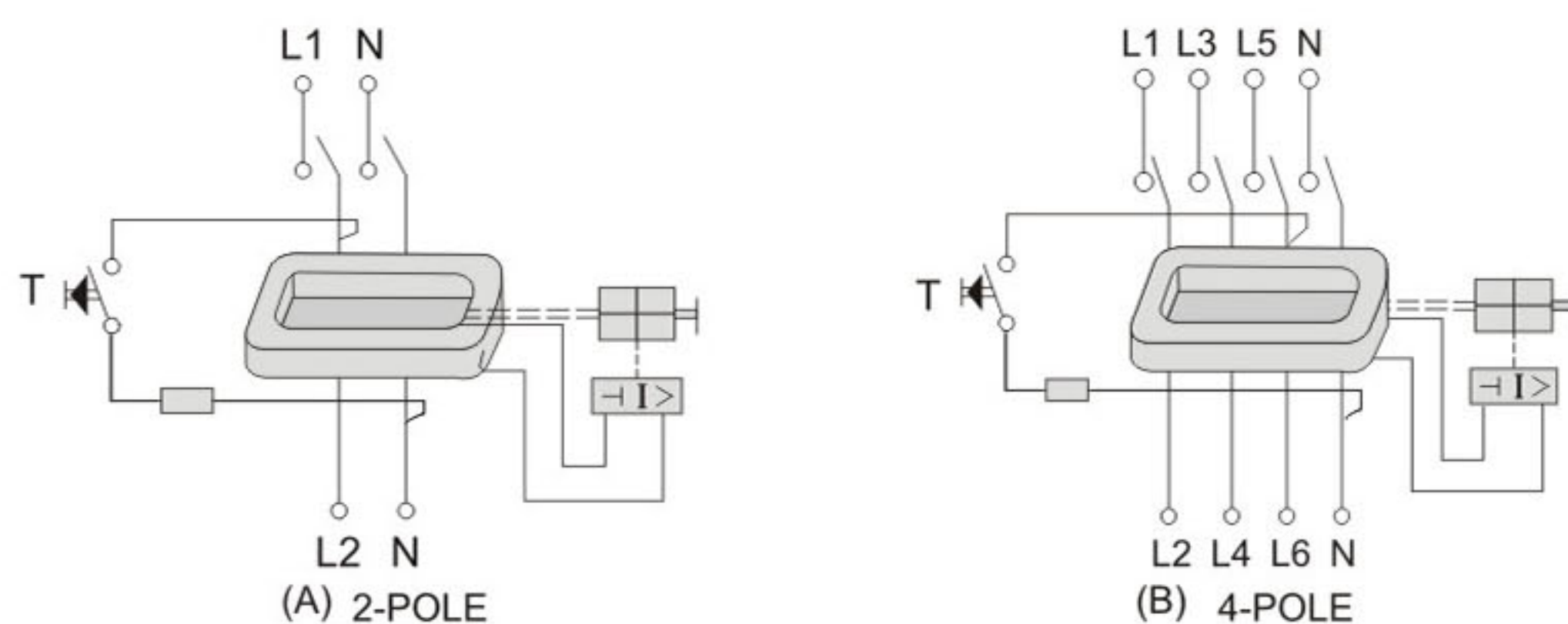




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

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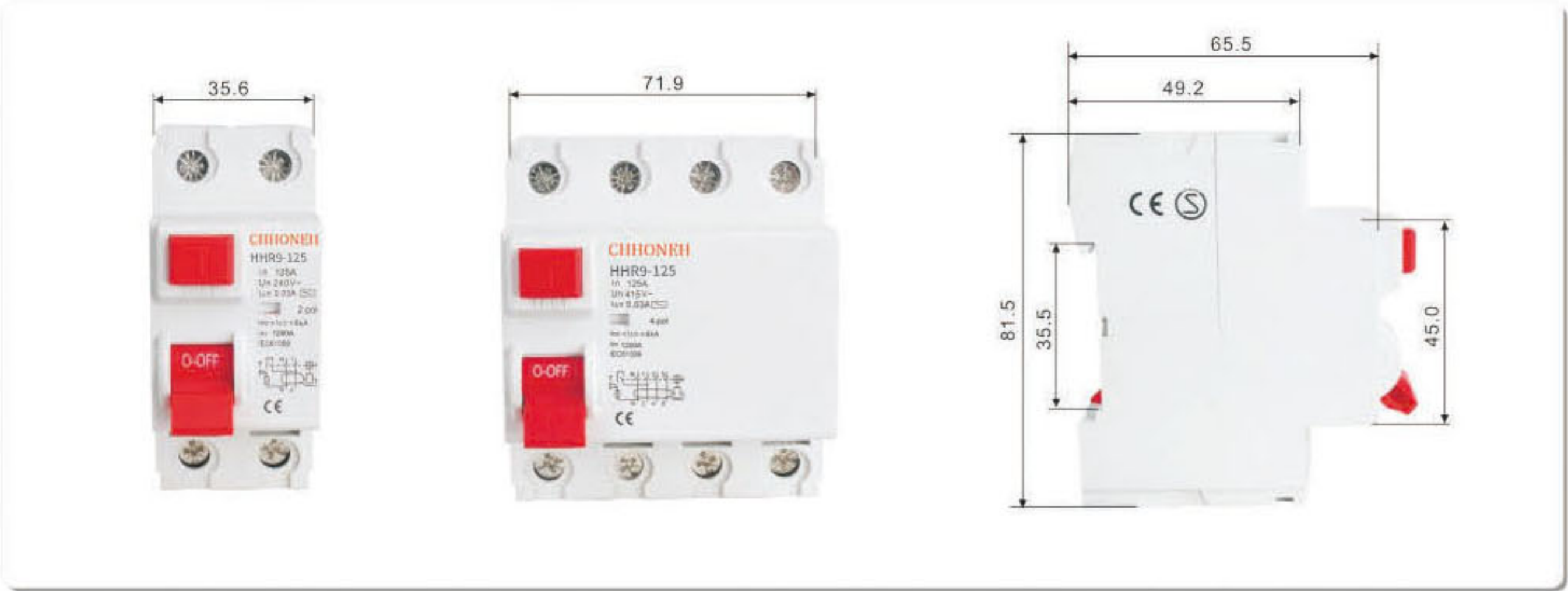
SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63,80,100,125
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	1250
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	35
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	35
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

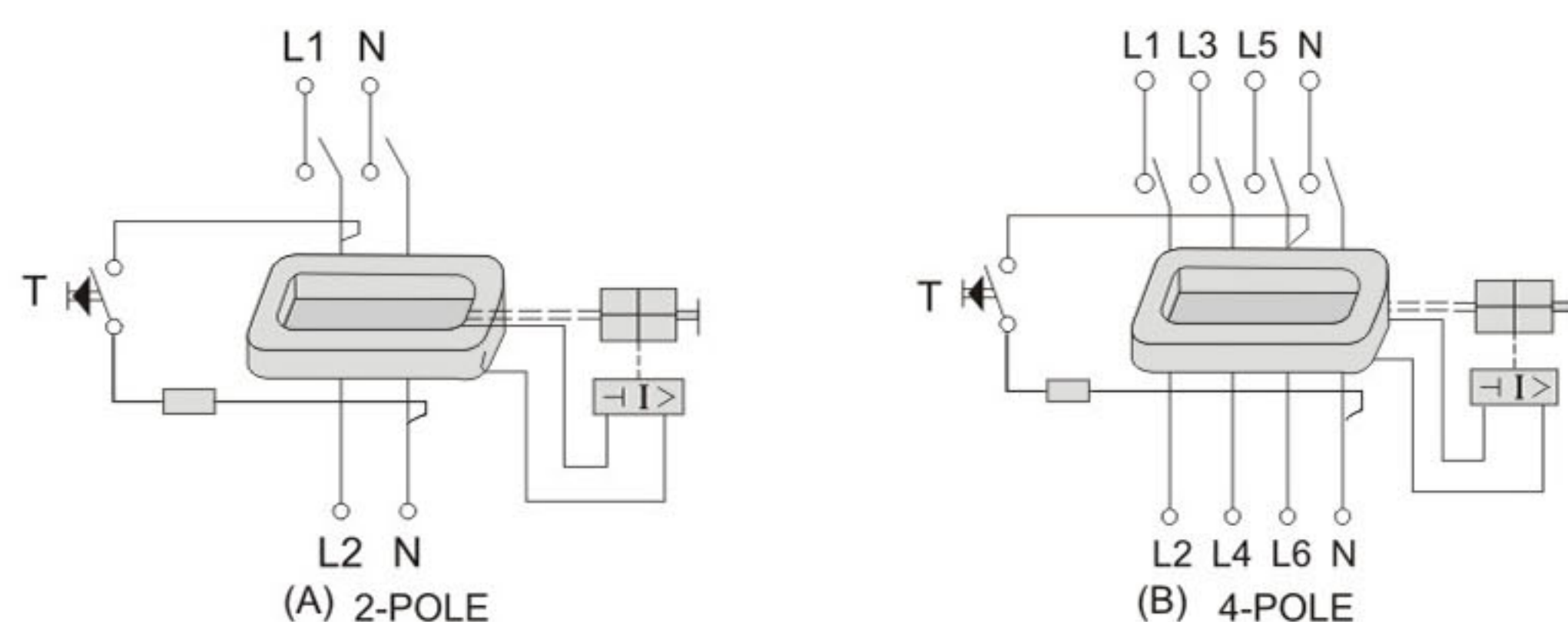




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



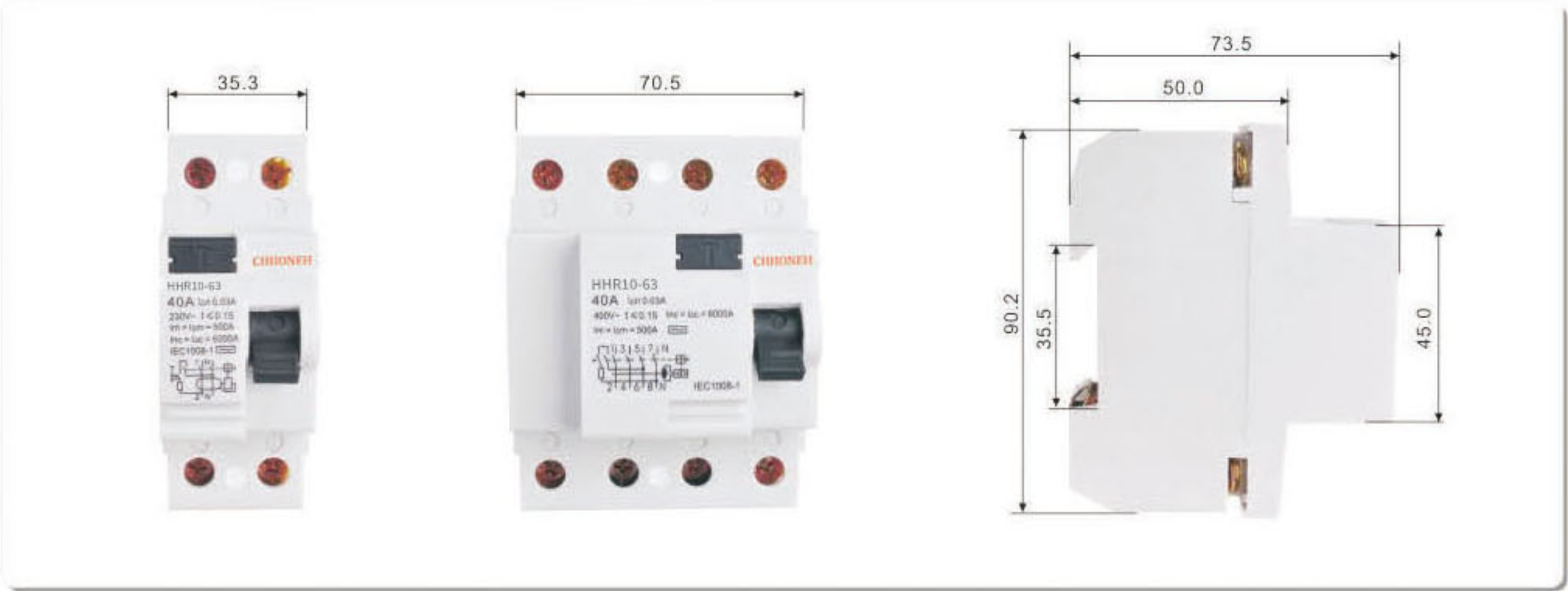
SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	630
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

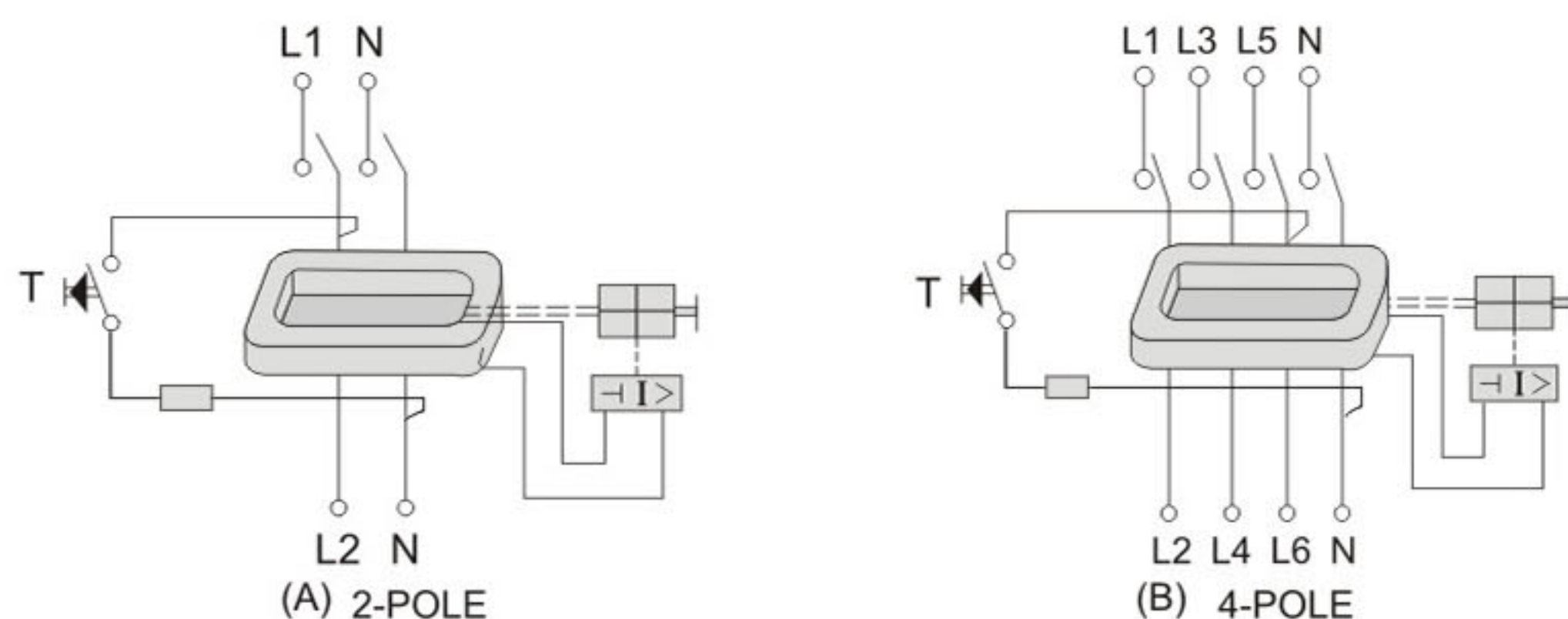




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
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	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	630
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

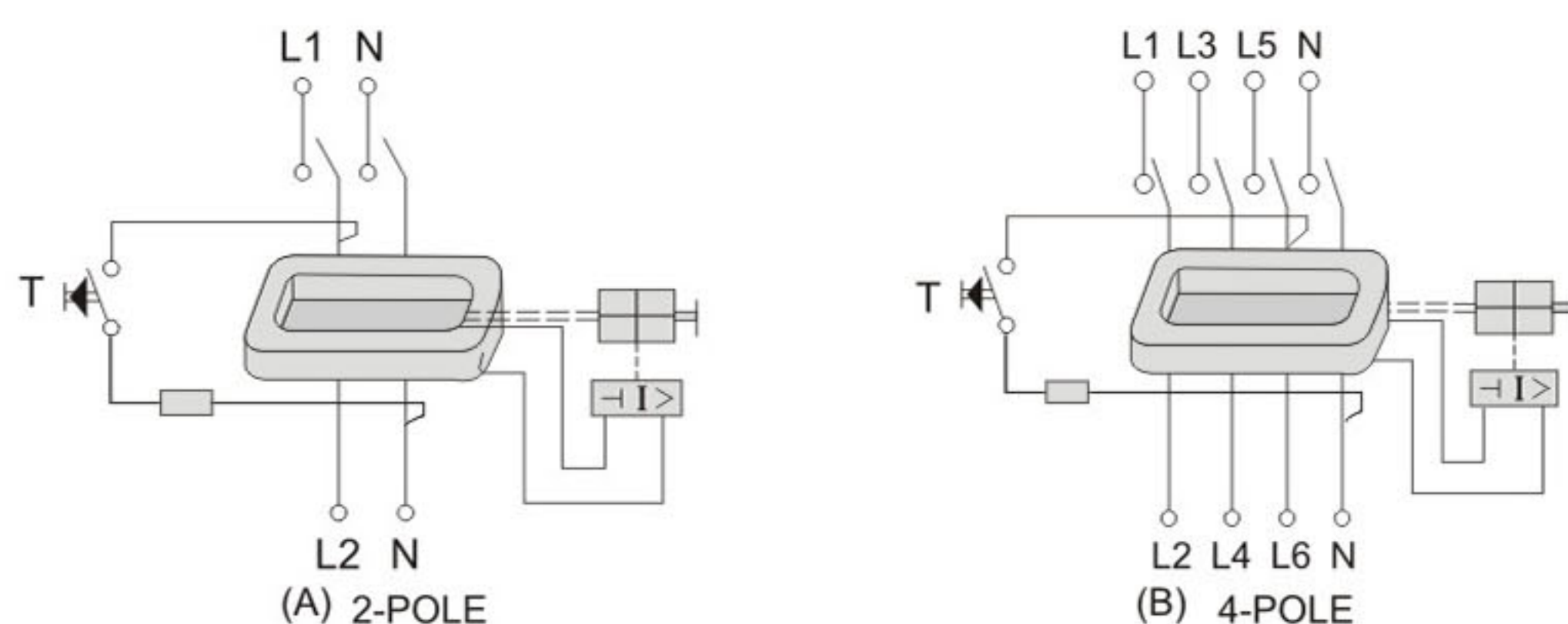




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



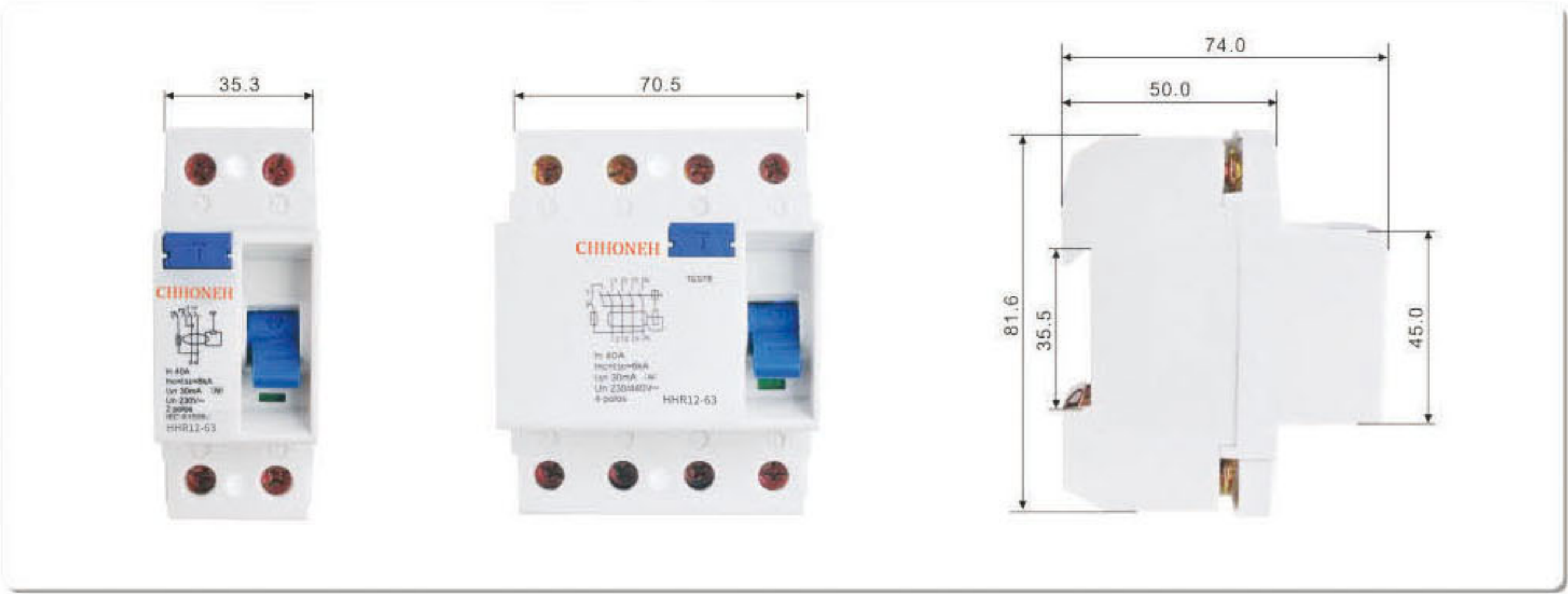
SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	630
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

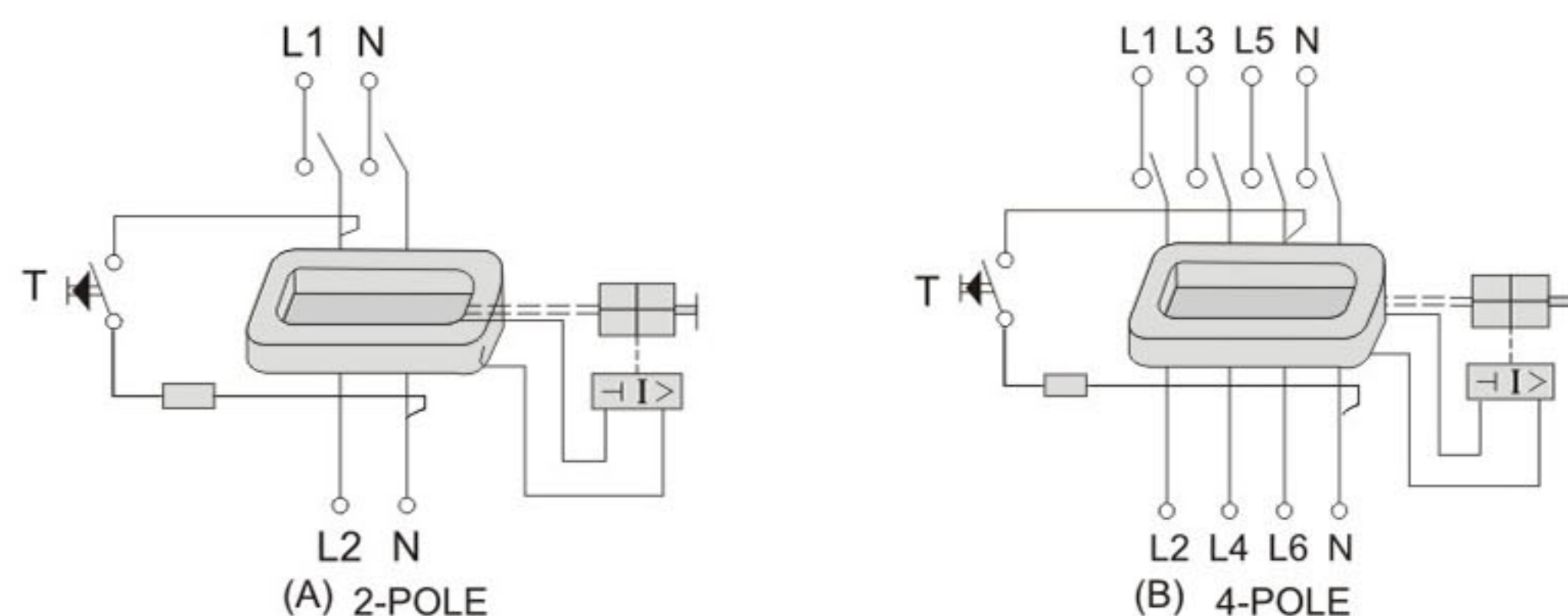




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current I _n	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage U _e	V	AC 240/415
	Rated sensitivity I _{Δn}	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage U _i	V	500
	Rated residual making and breaking capacity I _{Δm}	A	630
	Short-circuit current I _{Δc}	A	6000
	SCPD fuse	A	6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		ln-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

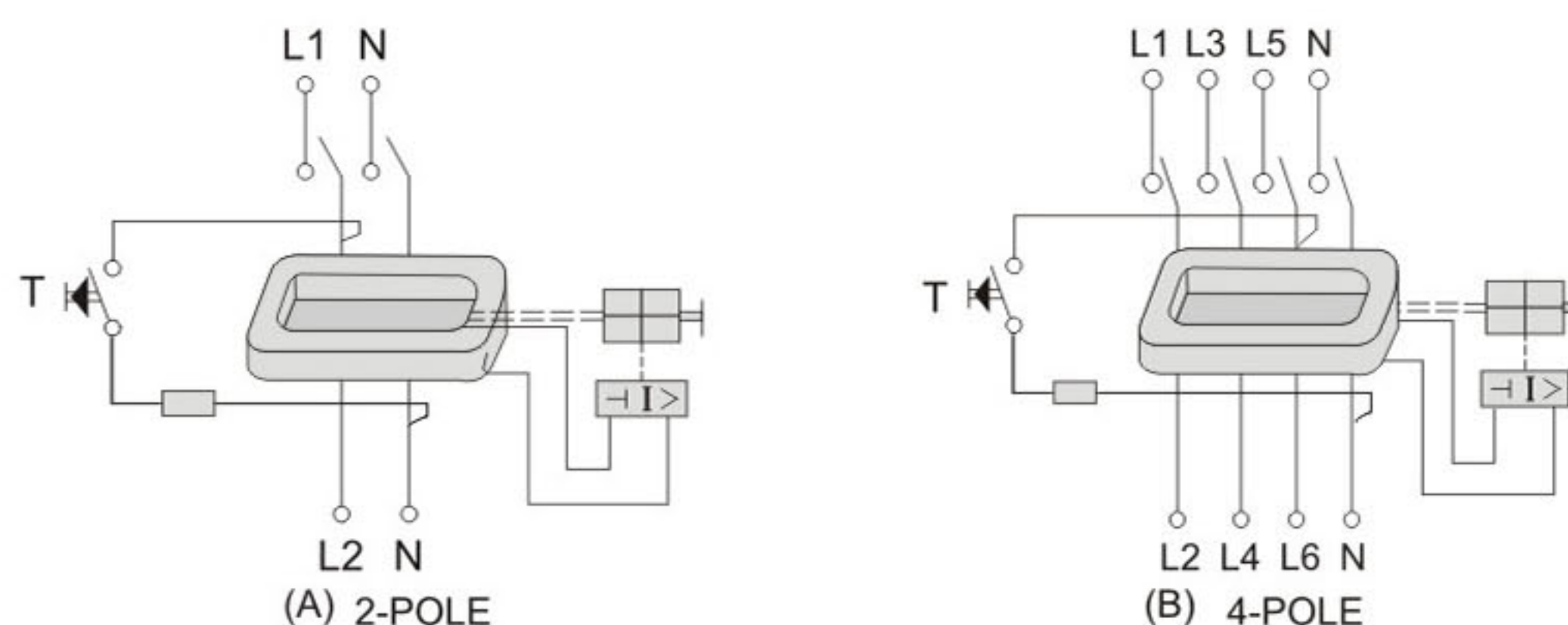




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



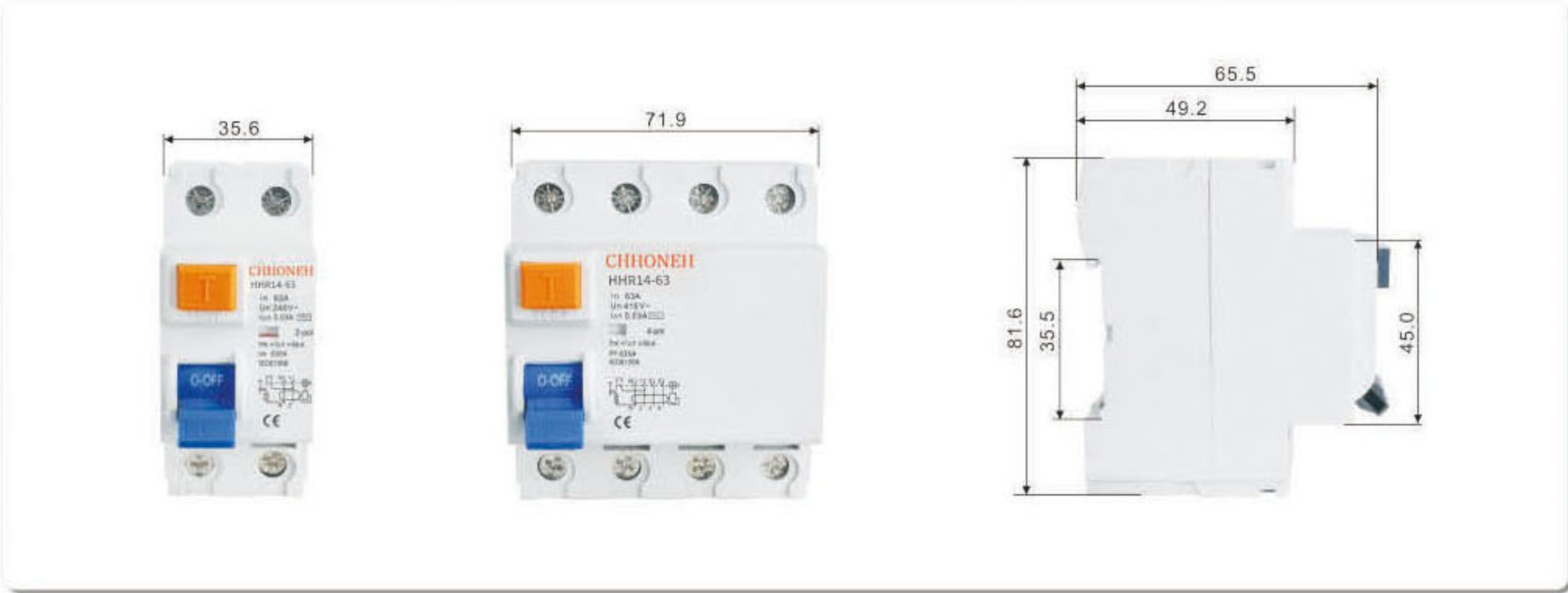
SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity I Δ n	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity I Δ m	A	630
	Short-circuit current I Δ c	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	8000
	Protection degree		IP20
	Ambient temperature (with daily average $\leq$ 35 $^{\circ}$ C)	$^{\circ}$ C	-25~+40
	Storage temperature	$^{\circ}$ C	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
	Tightening torque	In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

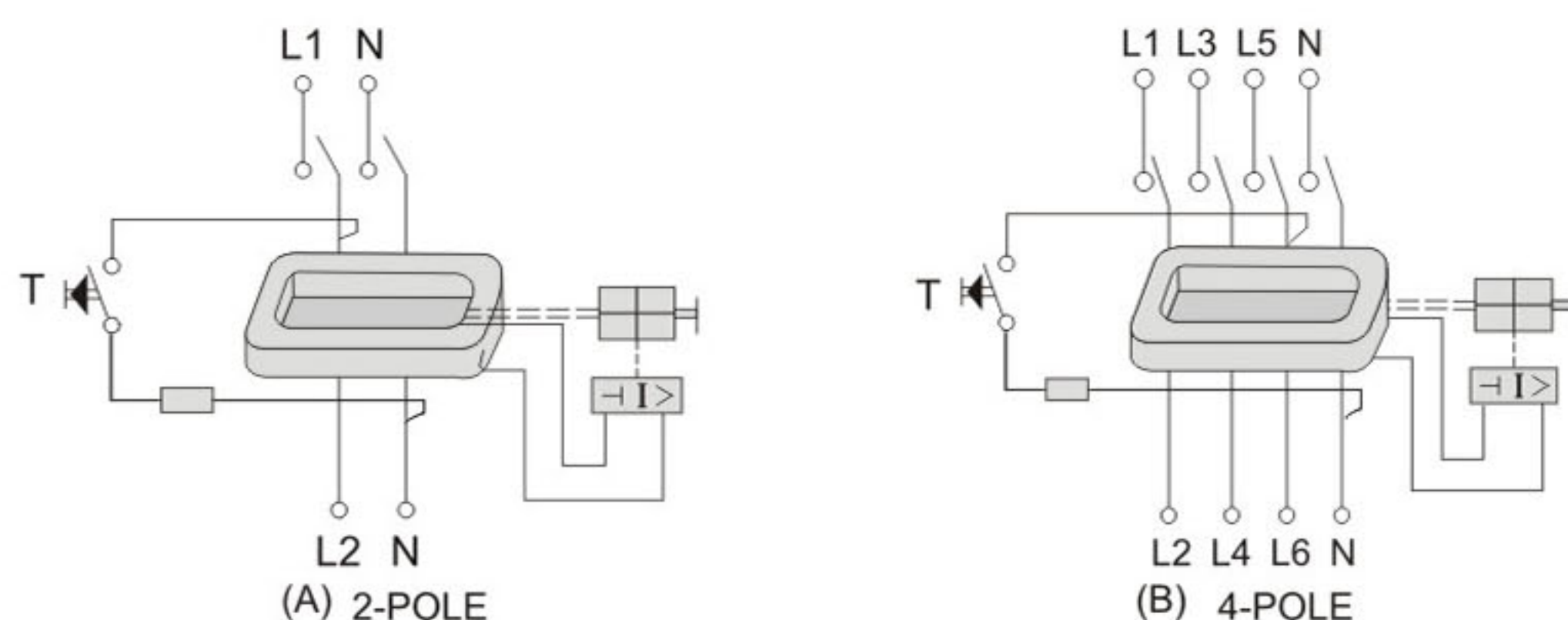




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



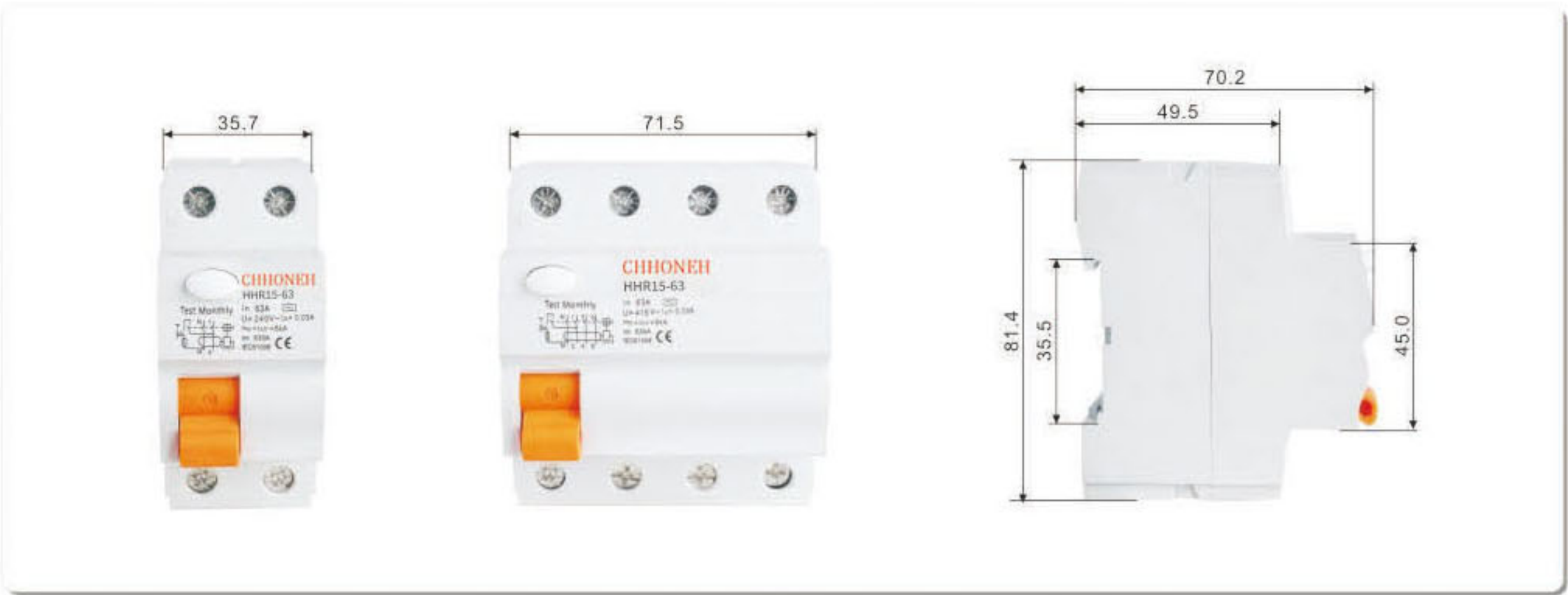
SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	630
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	8000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
	Terminal connection type		Cable/ U-type busbar/pin-type busbar
Installation	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

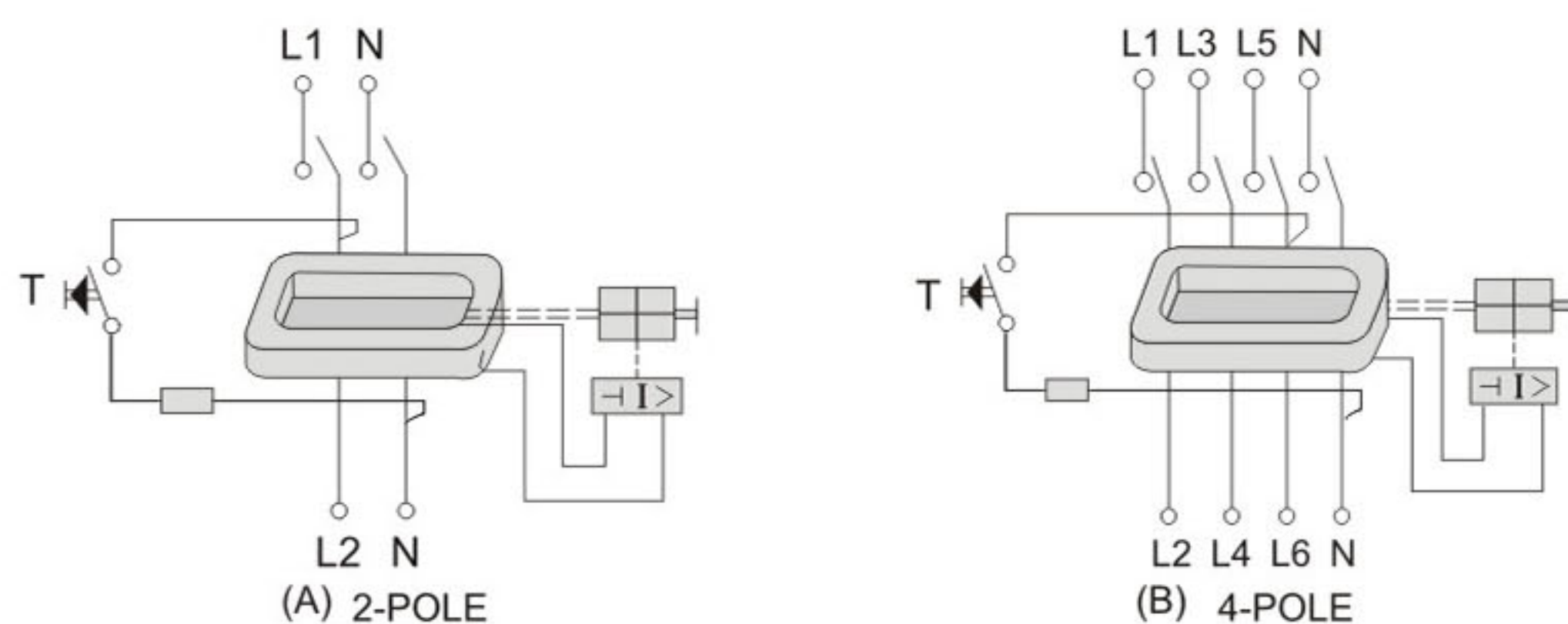




GENERAL

The item is in comply with standard of IEC61008-1, applying to the circuit of AC 50/60Hz, 230V single phase, 400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

SPECIFICATIONS



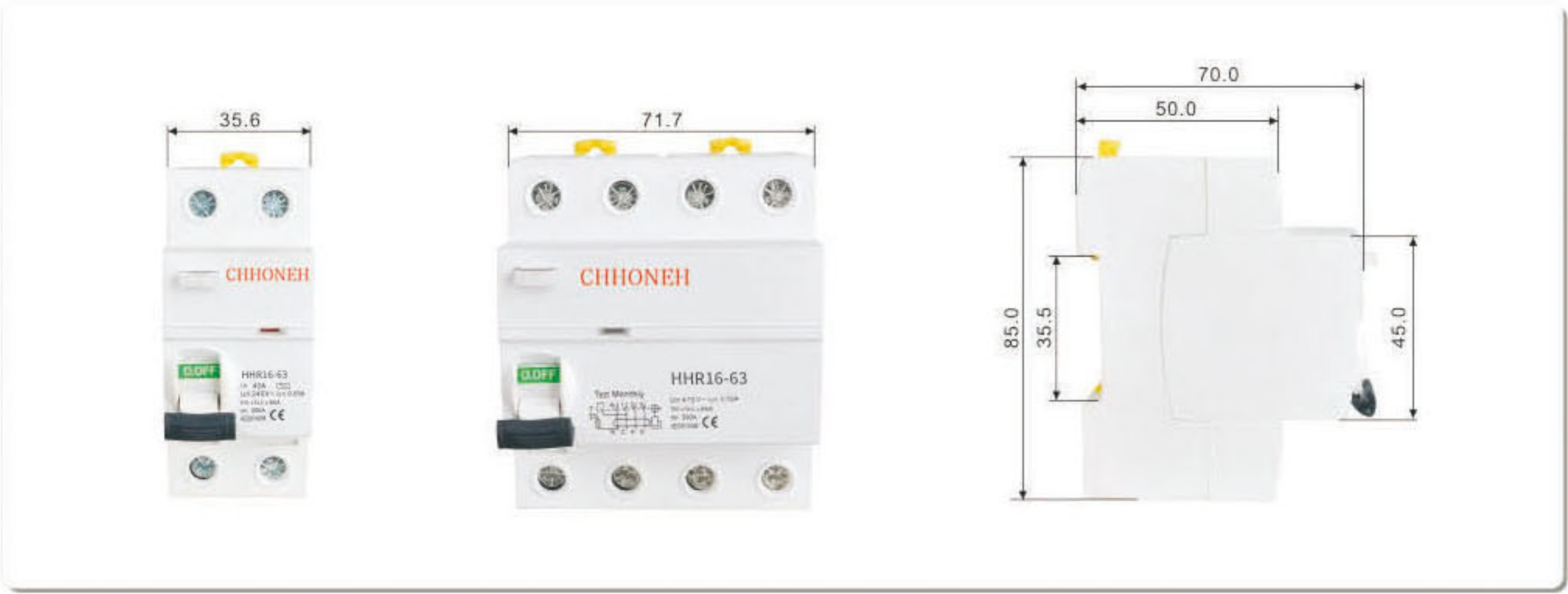
SPECIFICATIONS

Standard			IEC/EN61008
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	630
	Short-circuit current IΔc	A	6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	8000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/ U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)



Product Advantages

- Operating mechanism is plastic structure, operating performance is more stable and reliable than metal structure. such as release force, mechanical life cycle. For environmental protection is better than metal type and also the type is new generation mechanism.
- Inside all current-carrying parts: copper.
- All screws are with the plastic cover seal the holes, it's move safety can not open the products in easy.
- A Big sizes transparent signboard can help user make some special marks in the signboard area.

Technical Data

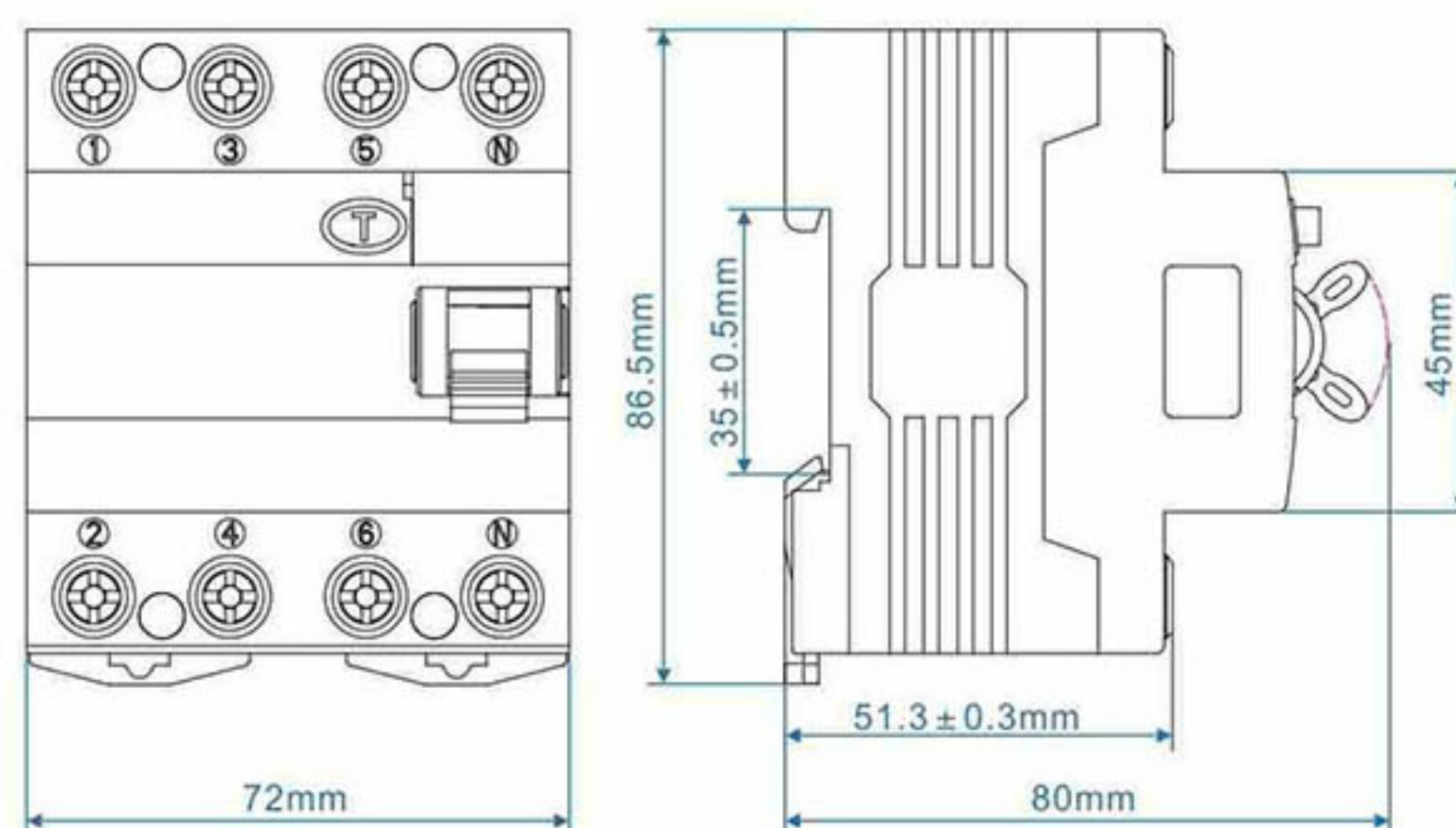
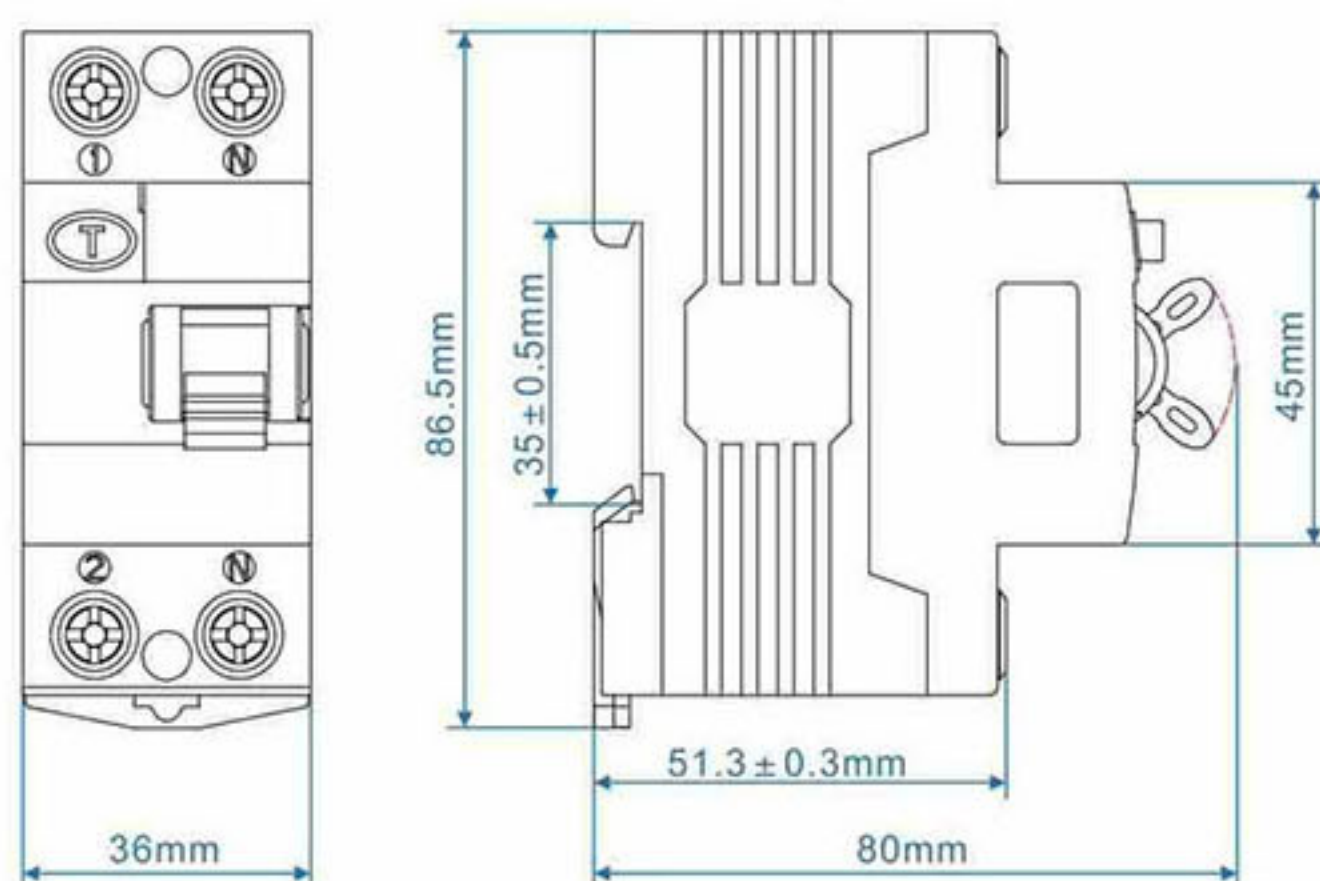
- Rated current: 16A, 20A, 25A, 32A, 40A, 50A, 63A
- Rated voltage: 230~1P+N, 400V~3P+N
- Rated frequency: 50/60Hz
- Number of pole: 2 Pole
- Module size: 36mm
- Circuit type: AC type, A type, B type
- Breaking capacity: 6000A
- Rated residual operating current: 10, 30, 100, 300mA
- Optimum operating temperature: -5°C to 40°C
- Terminal Tightening torque: 2.5~4N/m
- Terminal Capacity(top): 25mm²
- Terminal Capacity(bottom): 25mm²
- Electro-mechanical endurance: 4000 cycles
- Mounting: 35mm DinRail
- The very new tripping structure make more safety
- Suitable Busbar: PIN Busbar



Compliance

- IEC61008-1
- IEC61008-2-1

Overall & Installation Dimensions

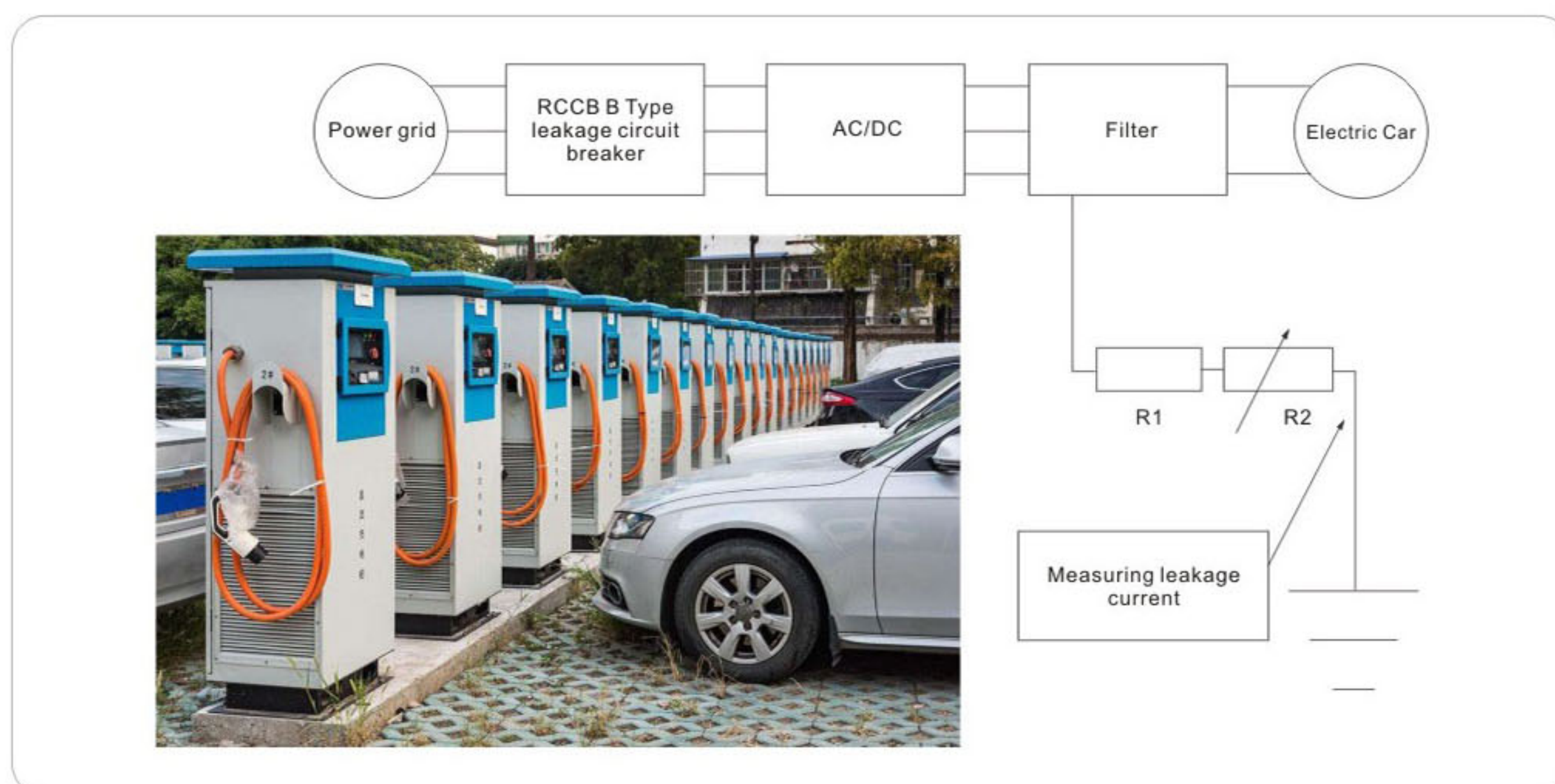




GENERAL

HHID-100 RCCB B model is worked on type A and in addition for smooth DC residual currents, residual DC currents that may result from rectifying circuits and high frequency AC residual currents. It protects in the event of continuous fault current on three phase networks. It usually is used in the field of Recharging Station, Medical Apparatus and Instruments, Controllers and Variable Speed Drives, Batter Charges and Inverters(DC)...HHID-100 complies with IEC/EN61008 and IEC/EN62423 standard.

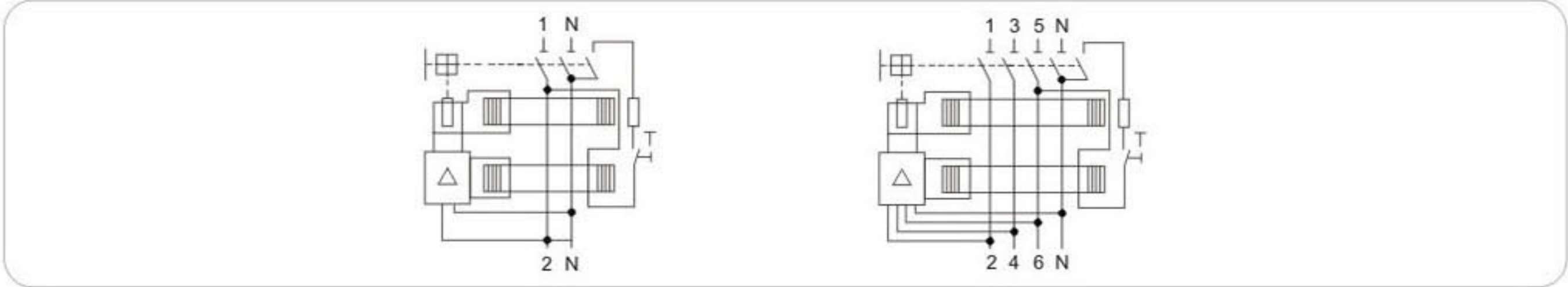
SPECIFICATIONS



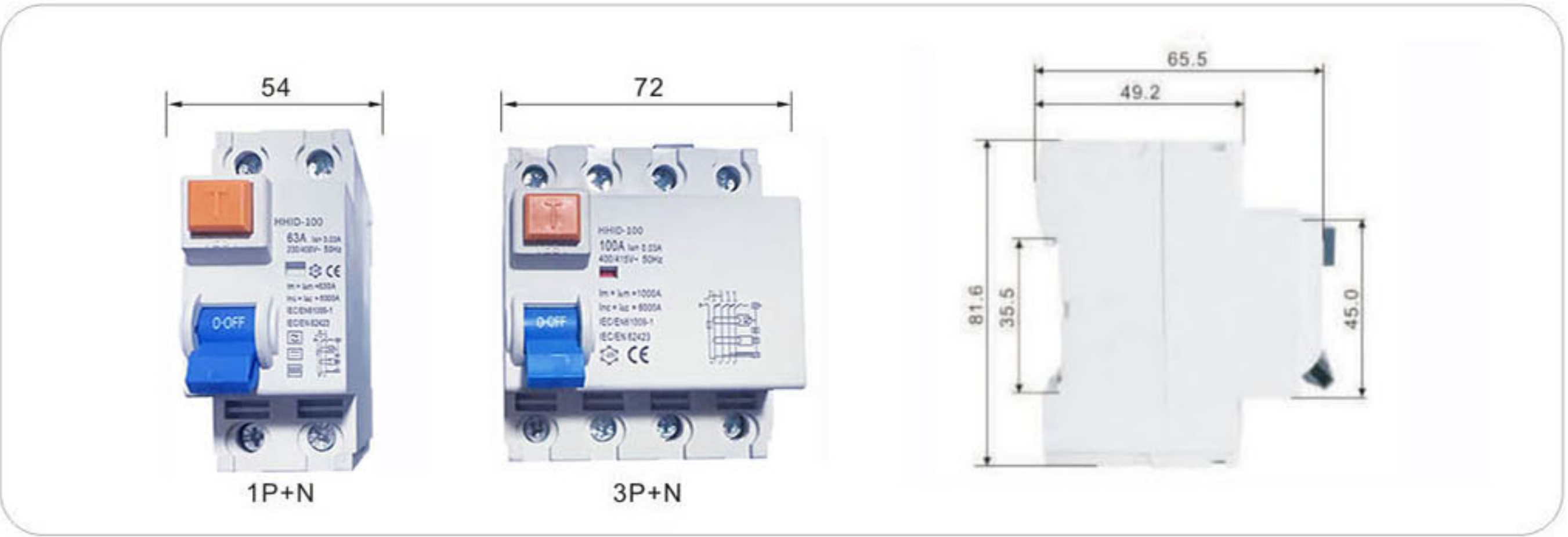
SPECIFICATIONS

	Standard	Unit	IEC/EN62423&IEC/EN61008-1
Electrical features	Type(wave form of the earth leakage sensed)		B
	Rated current In	A	25, 40,63
	Poles		1P+N, 3P+N
	Rated voltage Ue	V	IP+N:230/240V; 3P+N:400/415V;
	Rated sensitivity IΔn	A	0.03, 0.1, 0.3
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	500(In=25A/40A) 630(In=63A)
	Short-circuit current IΔc	A	10000
	SCPD fuse	A	10000
	Rated Time under IΔn	A	≤0.1
	Rated frequency	Hz	50
	Rated impulse withstand voltage(1.2/5.0)Uimp	V	4000
	Dielectric test voltage at ind. Fred. for 1min	KV	2.5
Mechanical features	Pollution degree		2
	Electrical life		2000
	Mechanical life		10000
	Fault current indicator		Yes
	Protection degree		IP20
Installation	Ambient temperature (with daily average≤35℃)	℃	-40~+55℃
	Storage temperature	℃	-40~+70℃
	Terminal connection type		Cable/U-type busbar/Pin-type busbar
	Terminal size top/bottom for cable	mm²	25/35
		AWG	18-3/18-2
	Terminal size top/bottom for busbar	mm²	10/16
		AWG	18-8/18-5
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 60715(35mm) by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





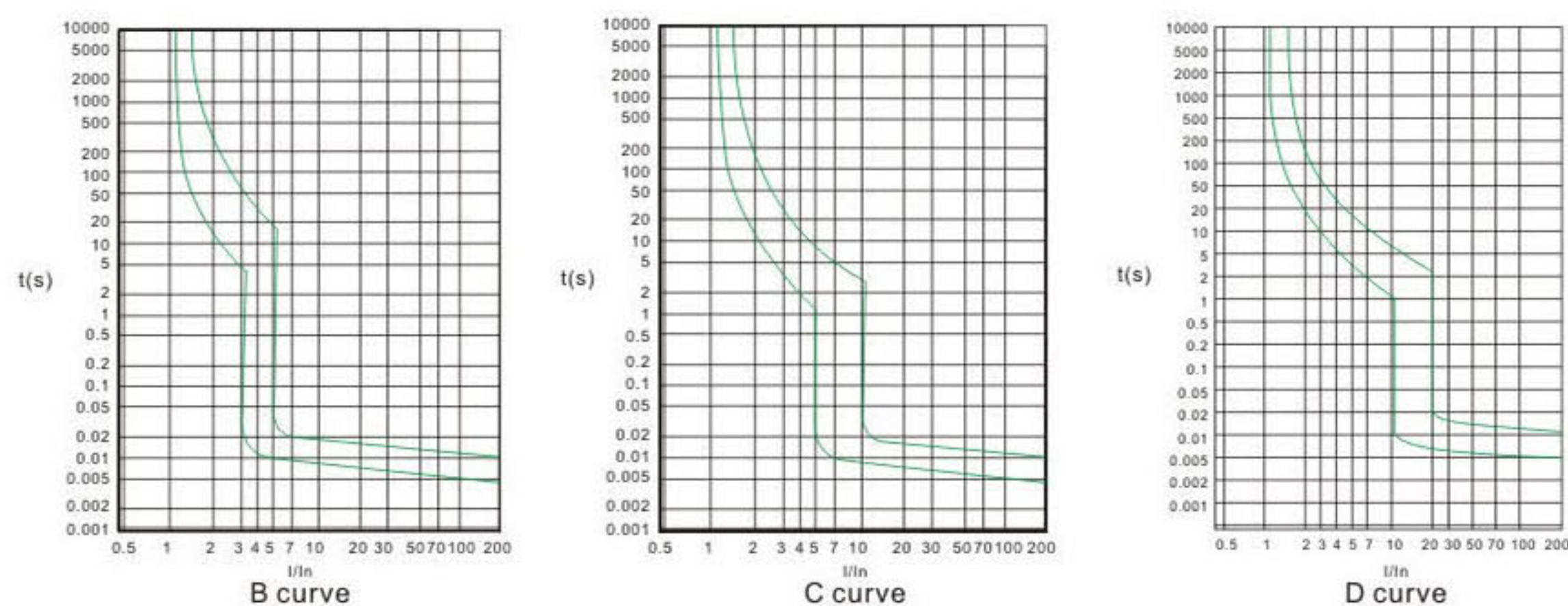
GENERAL

1. Application: For protecting cables and equipments against overload and short circuit.
2. General rules for choosing MCB.
 - a. Technical data of the network at the point considered:
The earthing systems, short-circuit current at the circuit breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.
 - b. There are 3 curve characteristics for magnetic operation:
 - B curve (3-5 I_n) protection and control of the circuits against length cables in TN and IT systems.
 - C curve (5-10 I_n) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.
 - D curve (10-20 I_n) protection and control of the circuits against overloads and short-circuits; protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).

SPECIFICATIONS

Curves

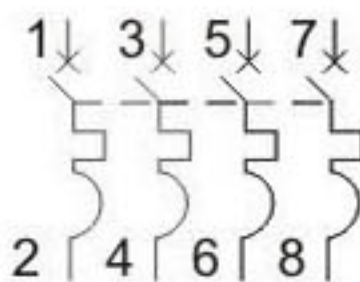
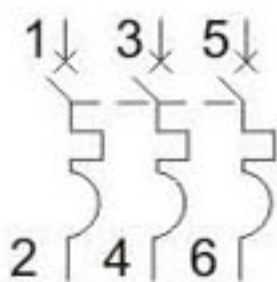
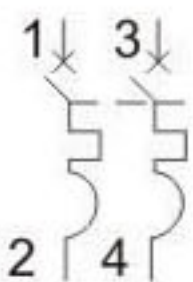
HHM1-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



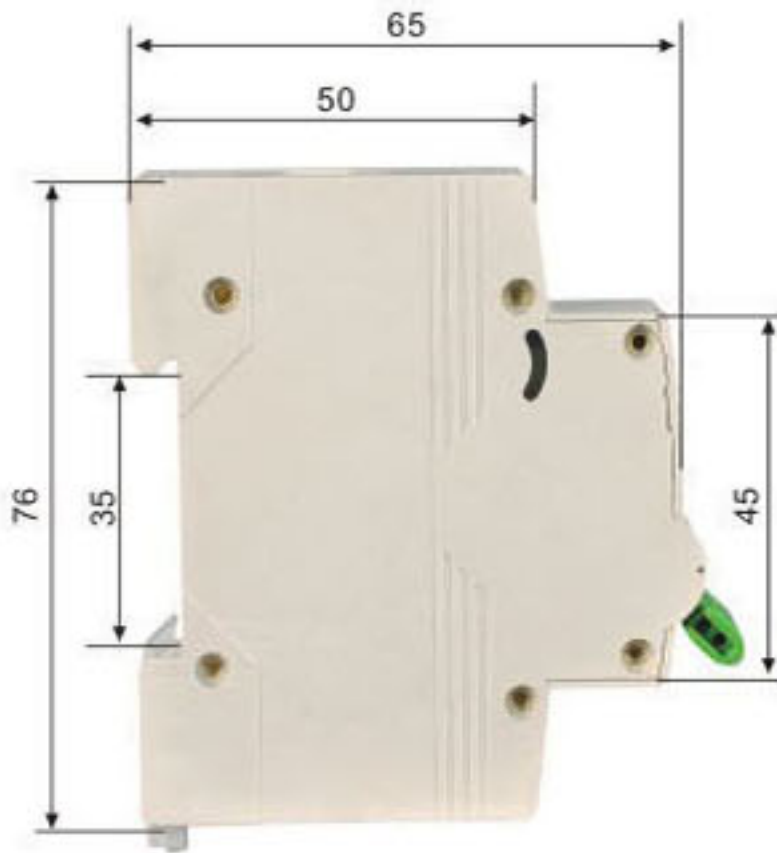
SPECIFICATIONS

	Standard	Unit	IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 230, 400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000, 4500, 6000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





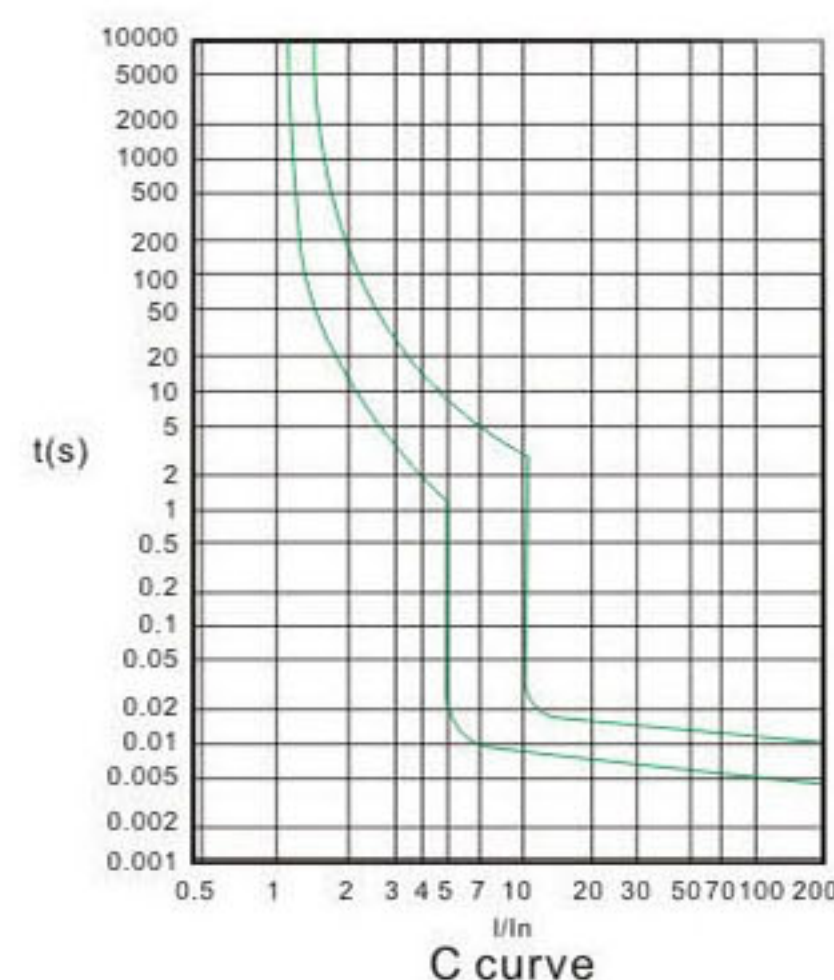
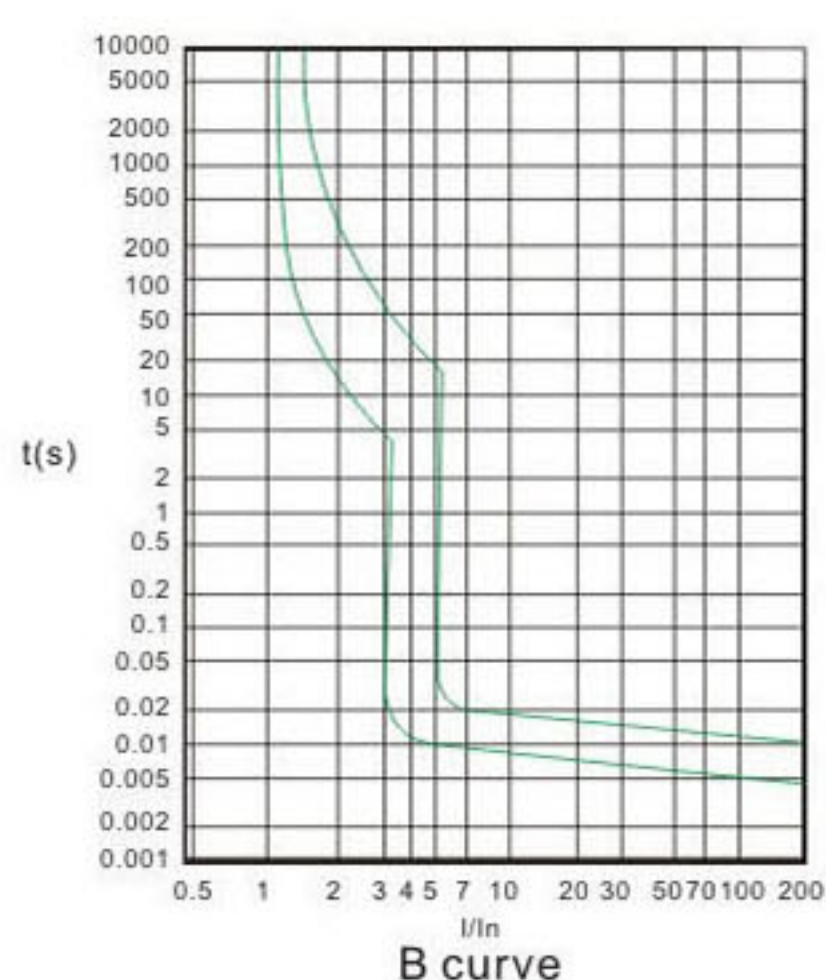
GENERAL

1. Application: For protecting cables and equipments against overload and short circuit.
2. General rules for choosing MCB.
 - a. Technical data of the network at the point considered:
The earthing systems, short-circuit current at the circuit breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.
 - b. There are 3 curve characteristics for magnetic operation:
 - B curve (3-5 I_n) protection and control of the circuits against length cables in TN and IT systems.
 - C curve (5-10 I_n) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.
 - D curve (10-20 I_n) protection and control of the circuits against overloads and short-circuits; protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).

SPECIFICATIONS

Curves

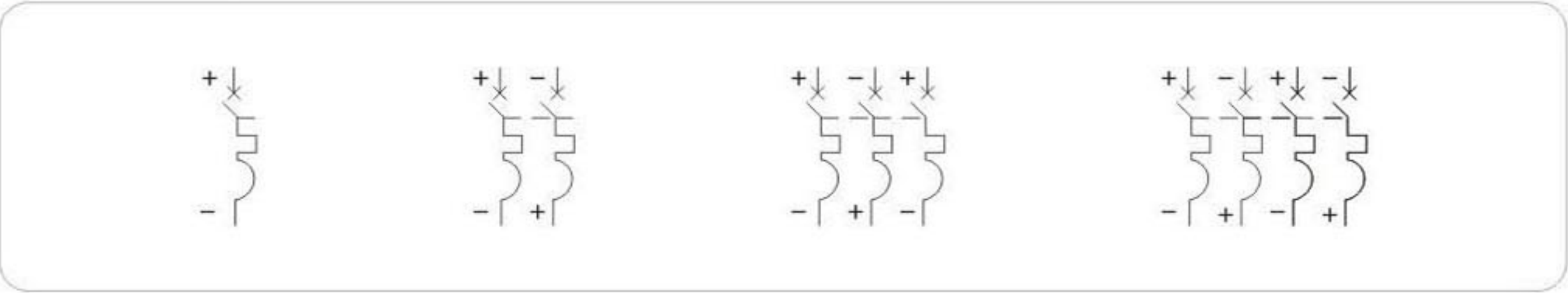
HHM2-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



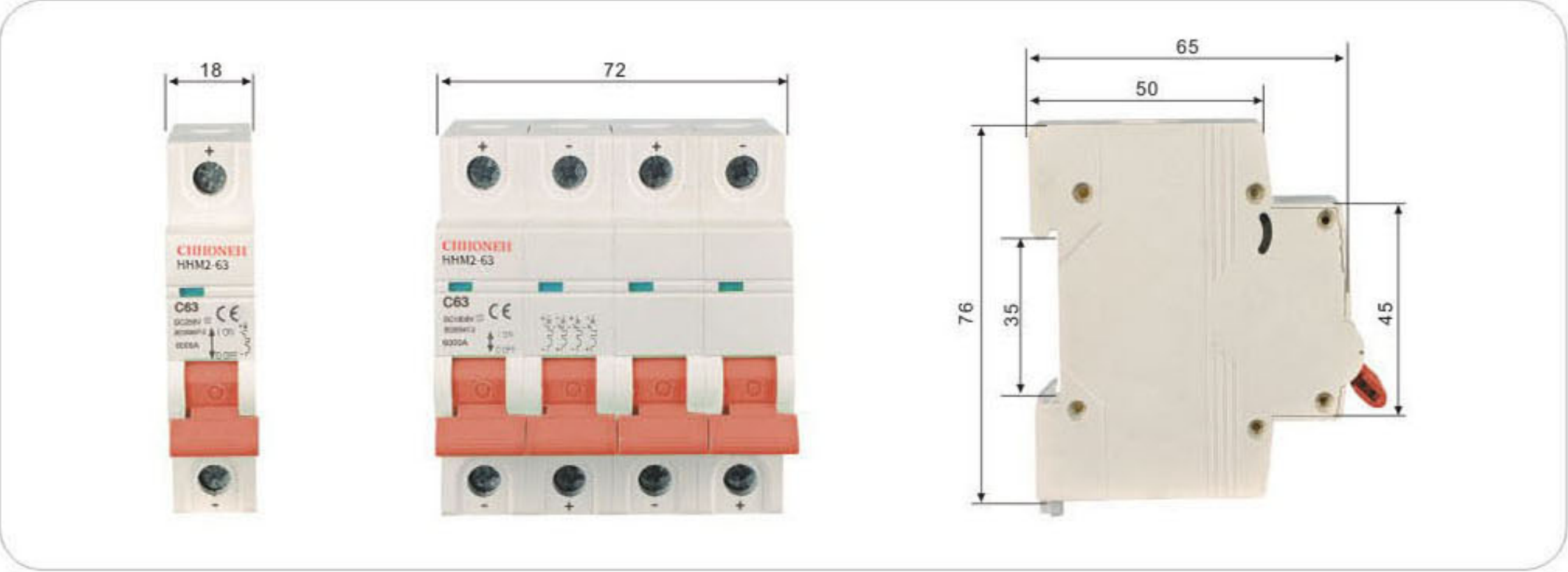
SPECIFICATIONS

	Standard	Unit	IEC/EN 60947-2
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	DC 24,48,120,250,500,750,1000
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000, 4500, 6000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C
Mechanical features	Electrical life	t	1500
	Mechanical life	t	6000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





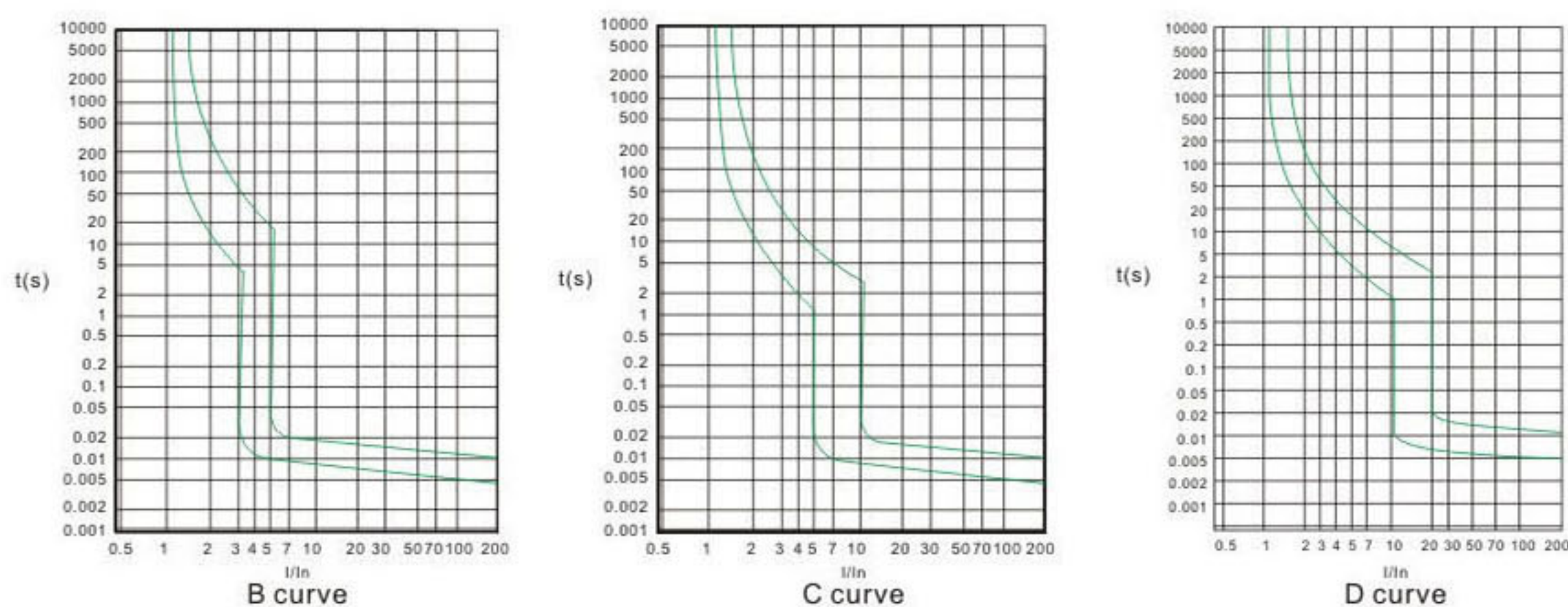
GENERAL

1. Application: For protecting cables and equipments against overload and short circuit.
2. General rules for choosing MCB.
 - a. Technical data of the network at the point considered:
The earthing systems, short-circuit current at the circuit breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.
 - b. There are 3 curve characteristics for magnetic operation:
 - B curve (3-5 I_n) protection and control of the circuits against length cables in TN and IT systems.
 - C curve (5-10 I_n) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.
 - D curve (10-20 I_n) protection and control of the circuits against overloads and short-circuits; protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).

SPECIFICATIONS

Curves

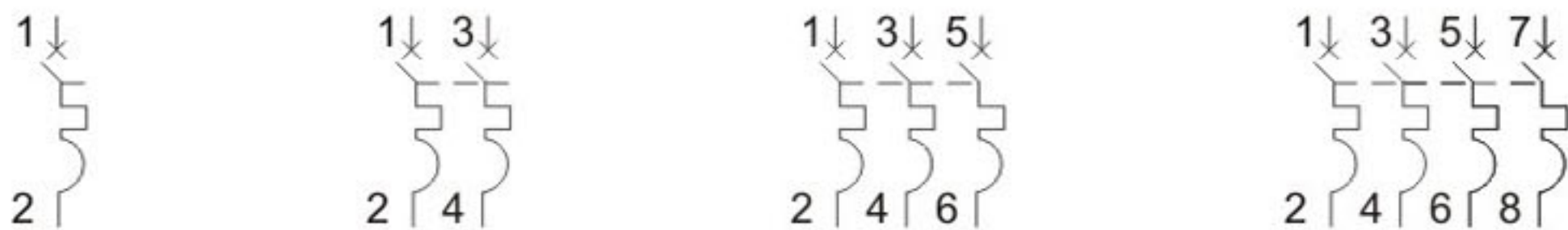
HHM3-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



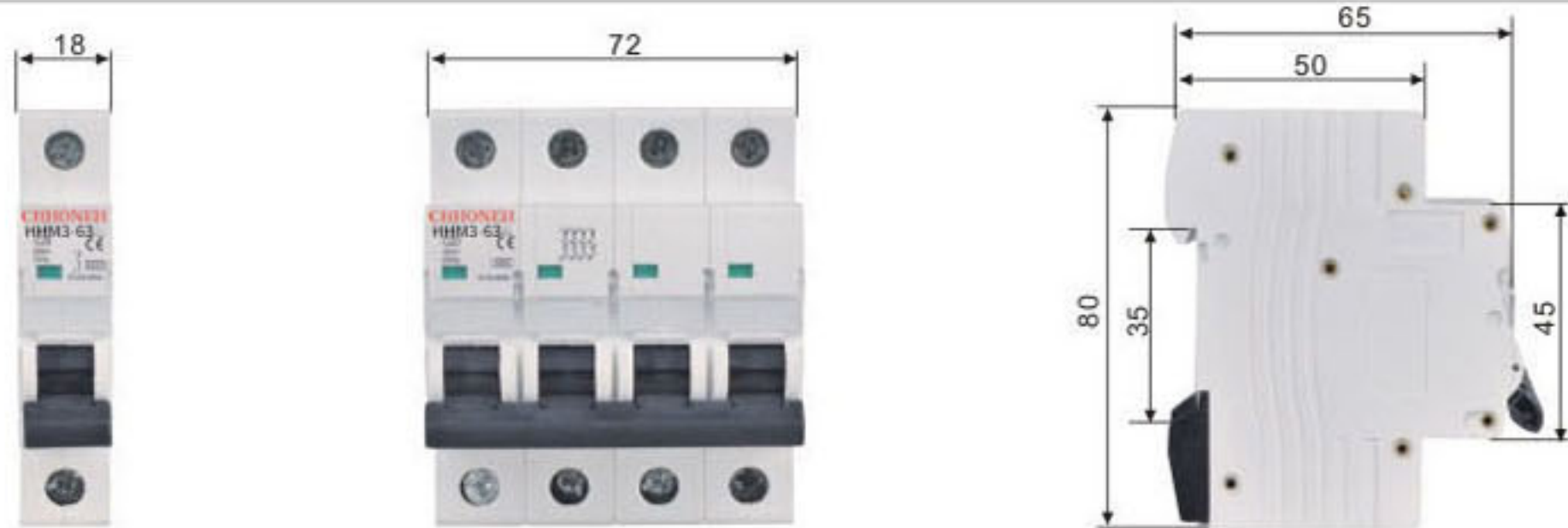
SPECIFICATIONS

	Standard	Unit	IEC/EN 60898-1
Electrical features	Rated current I_n	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage U_e	V	AC 230, 400
	Insulation voltage U_i	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000, 4500, 6000
	Rated impulse withstand voltage(1.2/50) U_{imp}	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average $\leq 35^\circ\text{C}$)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



WIRING DIAGRAM / OVERALL AND MOUNTING DIMENSIONS(MM)





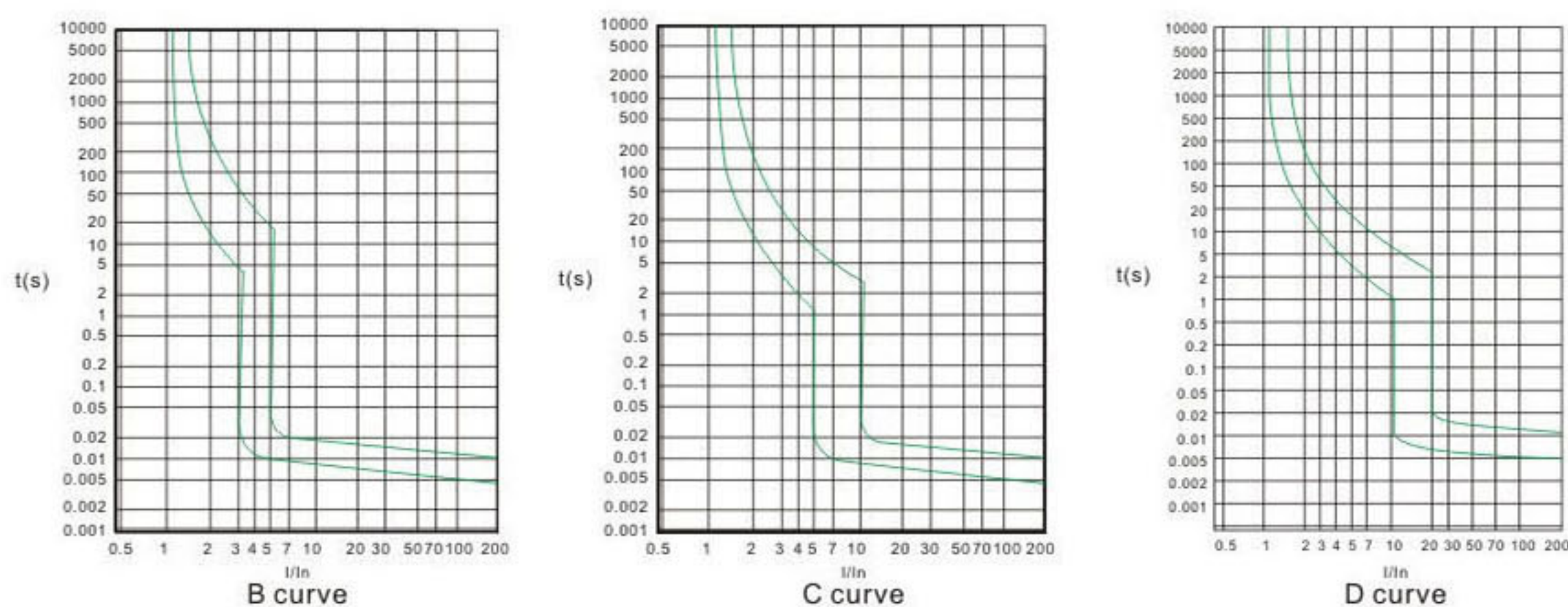
GENERAL

1. Application: For protecting cables and equipments against overload and short circuit.
2. General rules for choosing MCB.
 - a. Technical data of the network at the point considered:
The earthing systems, short-circuit current at the circuit breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.
 - b. There are 3 curve characteristics for magnetic operation:
 - B curve (3-5 I_n) protection and control of the circuits against length cables in TN and IT systems.
 - C curve (5-10 I_n) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.
 - D curve (10-20 I_n) protection and control of the circuits against overloads and short-circuits; protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).

SPECIFICATIONS

Curves

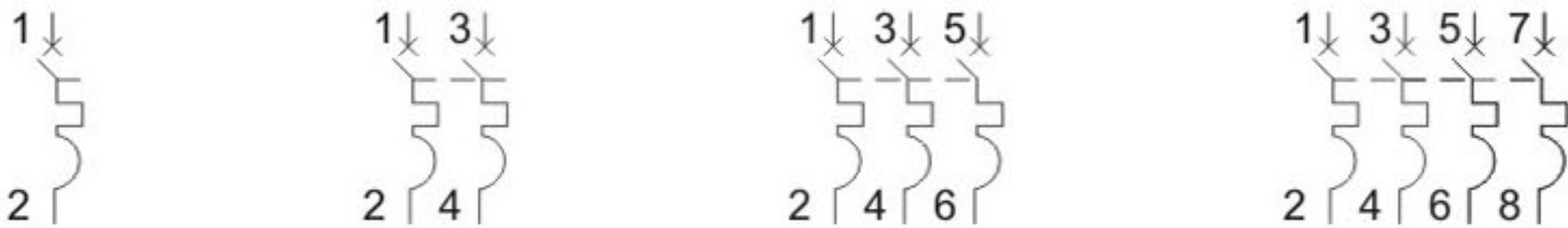
HHM4-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



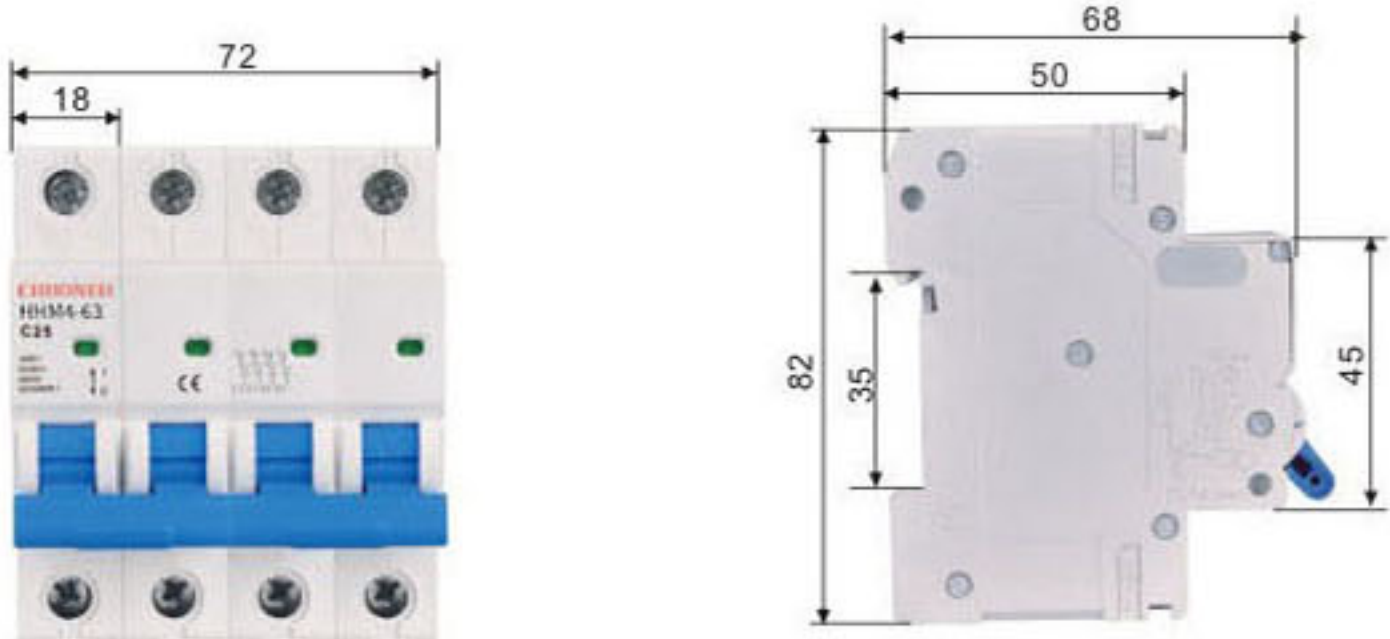
SPECIFICATIONS

	Standard	Unit	IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 230, 400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000, 4500, 6000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



WIRING DIAGRAM / OVERALL AND MOUNTING DIMENSIONS(MM)

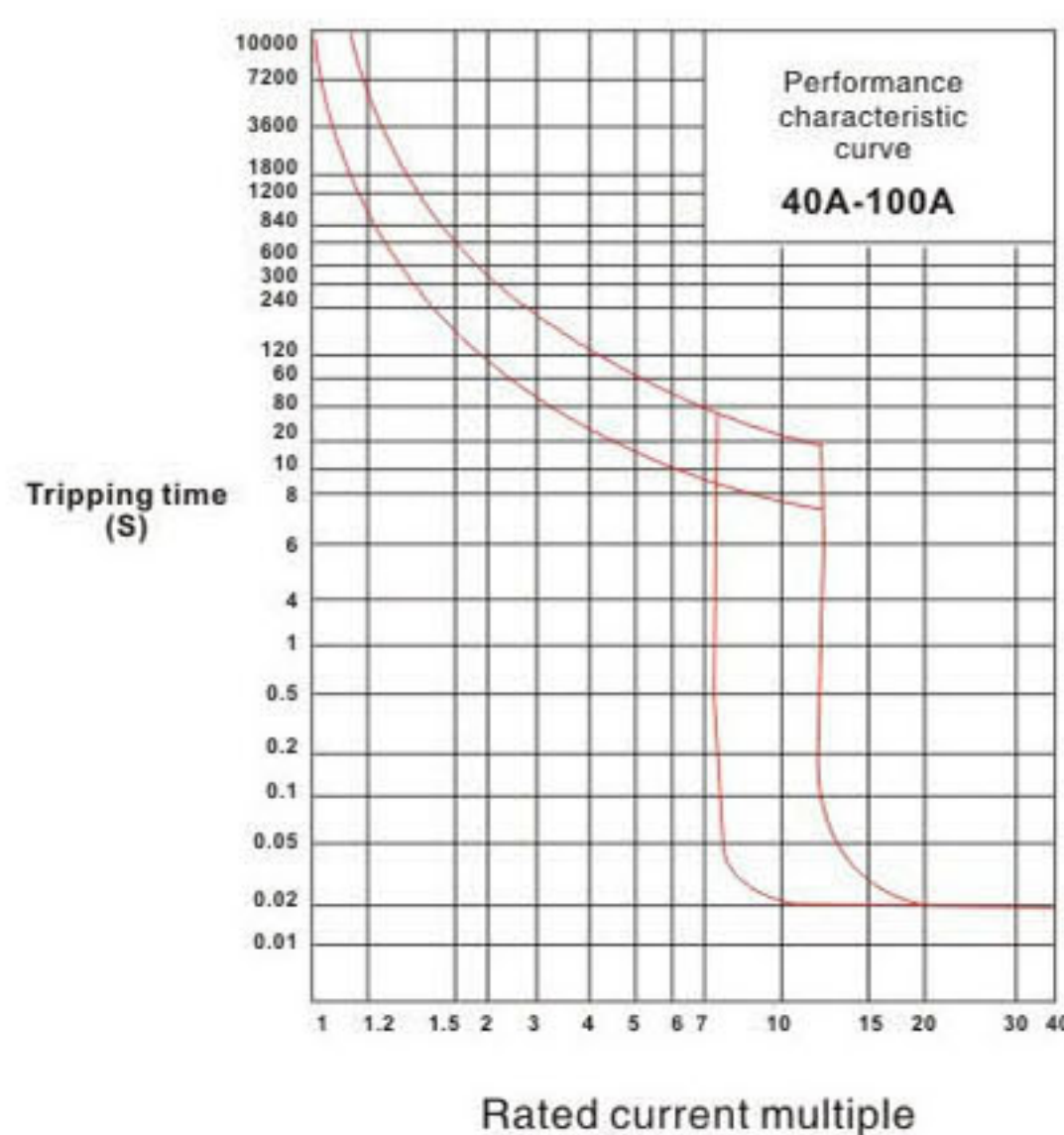
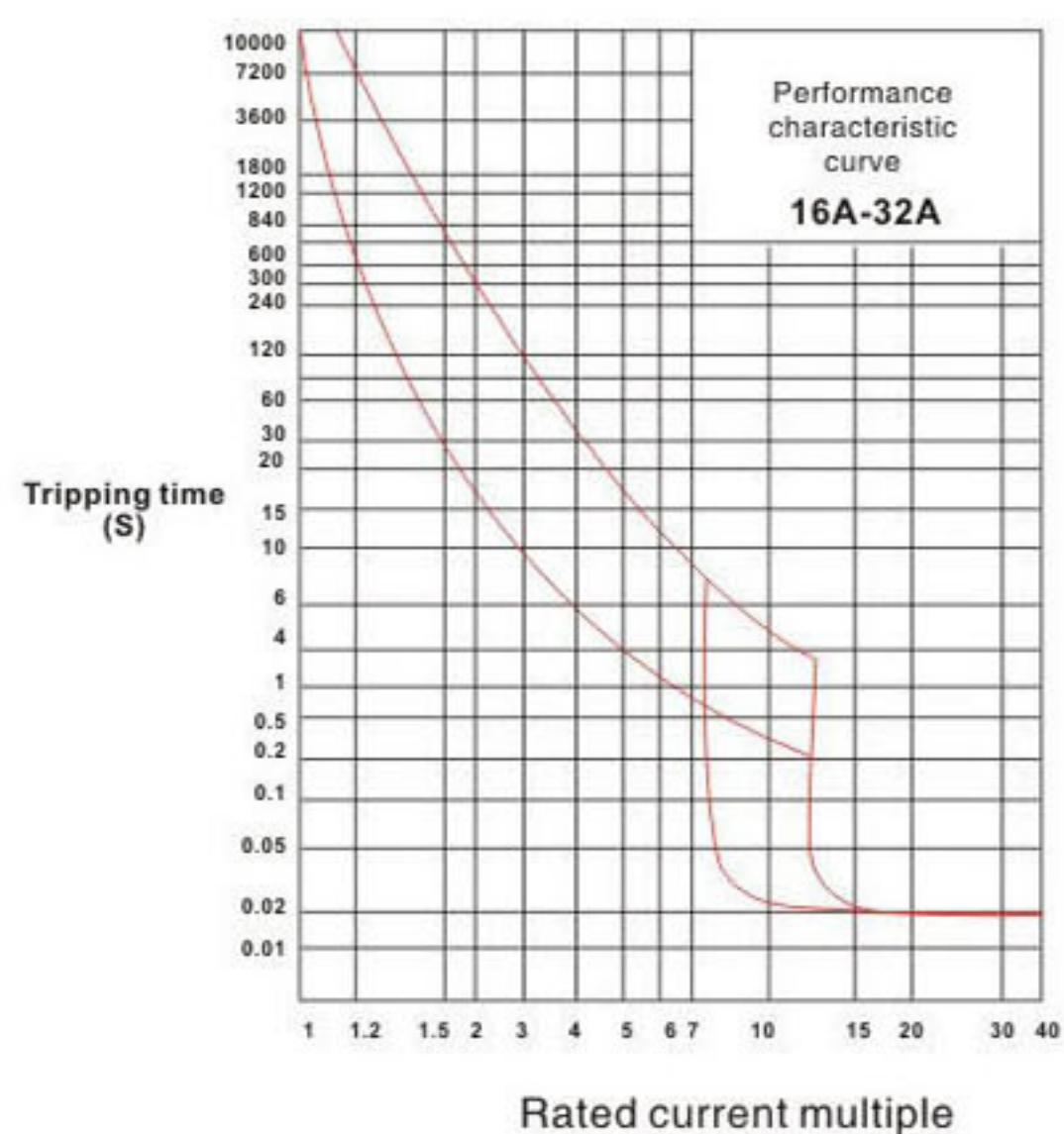




GENERAL

HHM5-125 Series Miniature Circuit Breaker is such features as delicate appearance, light weight, excellent and reliable performance, high breaking capacity, rapid tripping and mounted by rail. Its enclosure and components adopts high fire-retarding and shock-resistance plastic of long durability. It mainly serves for protecting the circuits of AC 50Hz, 230V of single pole, 400V of two poles or three or four poles from overload or short-circuit, and also for unfrequent making and breaking electrical apparatus and lighting circuit. It conforms with the standards of IEC60947-2.

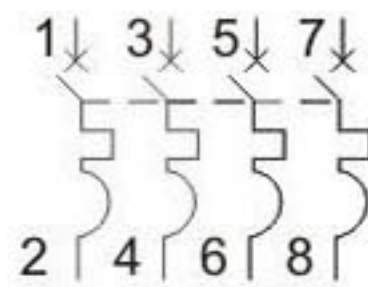
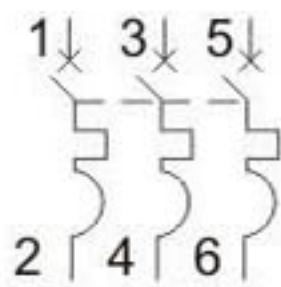
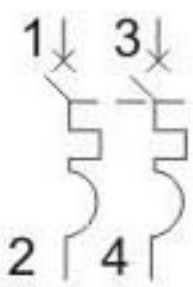
SPECIFICATIONS



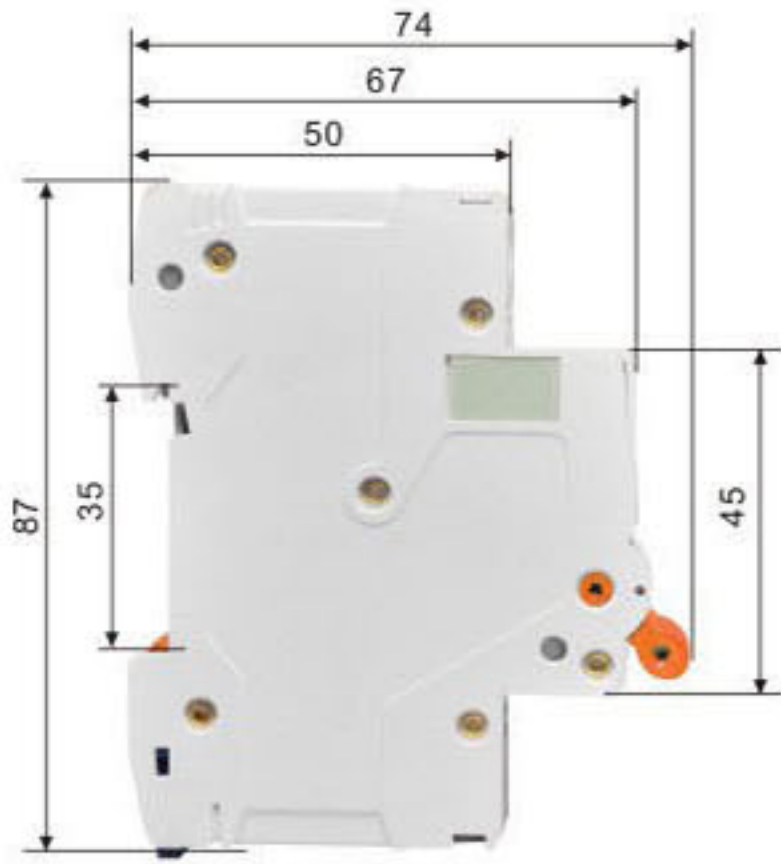
SPECIFICATIONS

	Standard	Unit	IEC/EN 60947-2
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63,80,100,125
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 230, 400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	6000,10000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

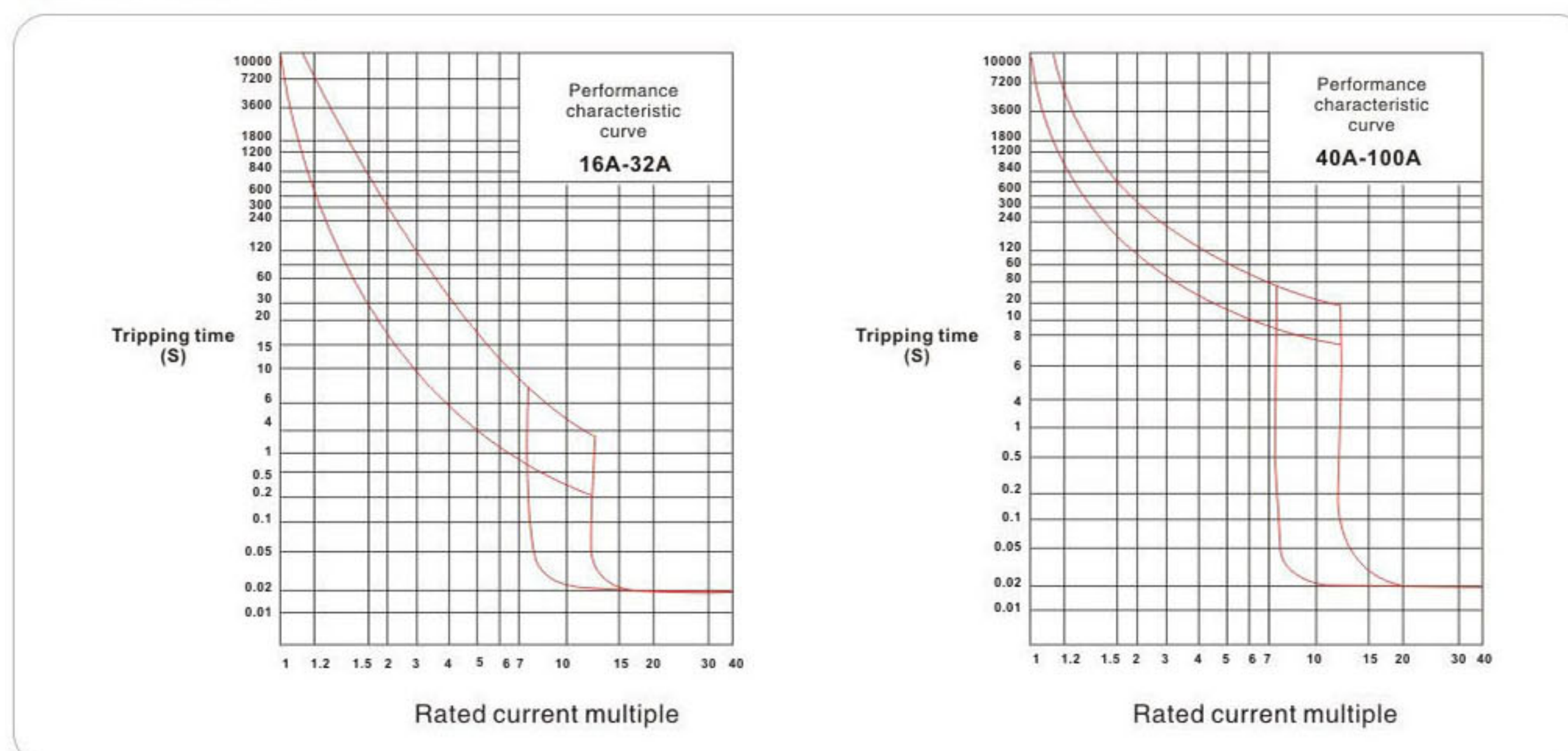




GENERAL

HHM6-125 Series DC Miniature circuit breaker can quickly break the fault currents in DC power distribution system, Especially for the DC system of power projects in measurement and protection screen and electric screen between leapfrog tripping accident, the series has excellent performance, and avoid the occurrence of the fault. The products can protect the solar photovoltaic power generation in the important devices in PV module from high DC reverse current and due to failure of the inverter AC feedback current hazards, to ensure the reliable operation of solar photovoltaic power generation system. It is used on buildings and similar places the line facilities of over current protection, can also be used in less frequent break operation. And has small volume, breaking capacity, arcing distance is short, fast closing and installation is convenient.

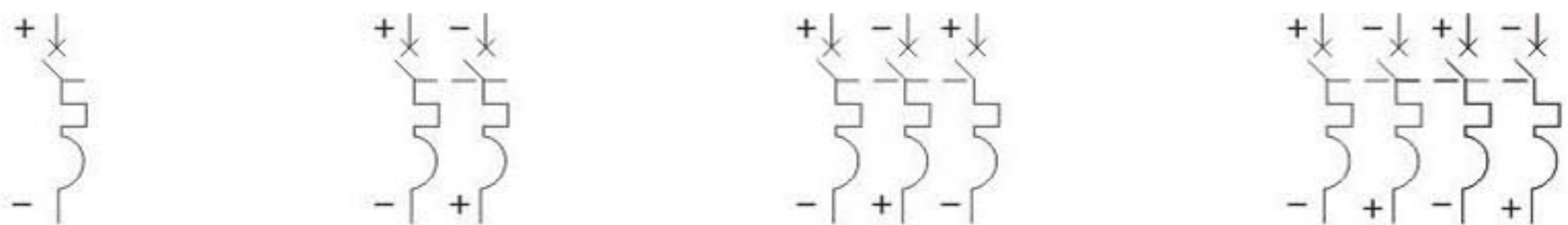
SPECIFICATIONS



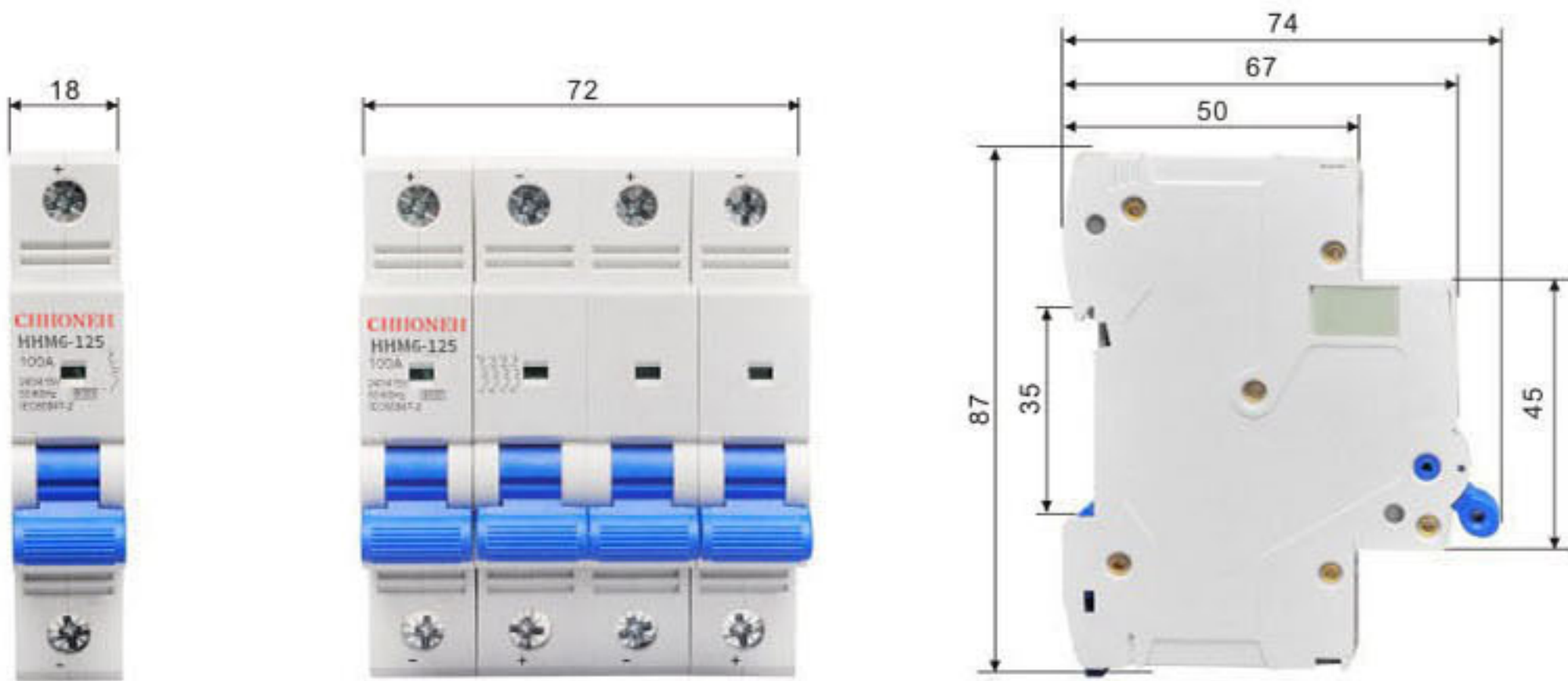
SPECIFICATIONS

	Standard	Unit	IEC/EN 60947-2
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63,80,100,125
	Poles	P	1,2,3,4
	Rated voltage Ue	V	DC 24,48,120,250,500,750,1000
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	6000,10000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





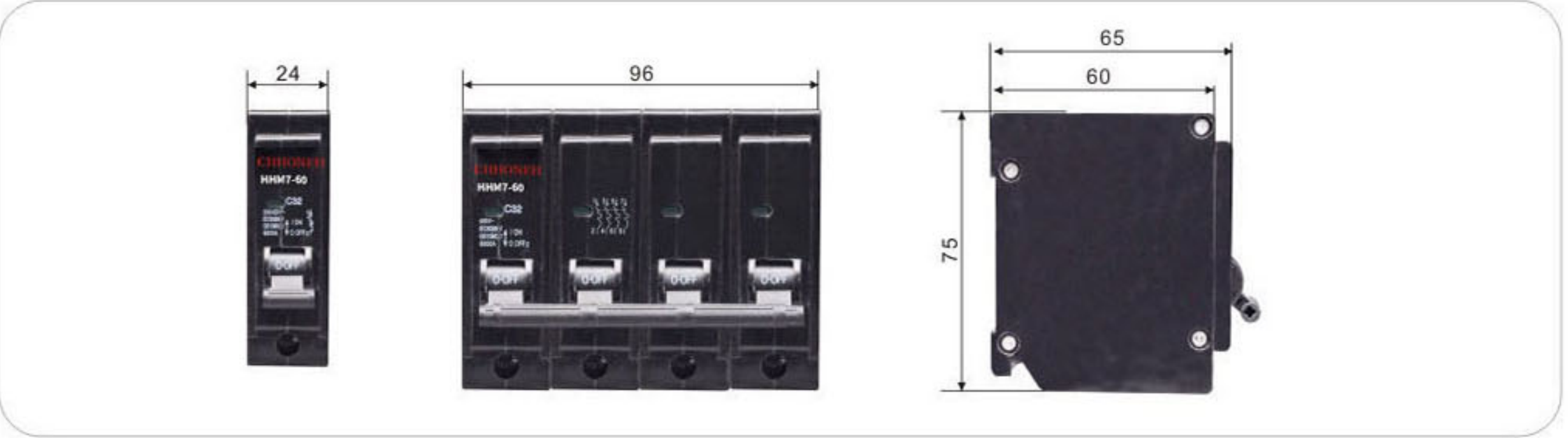
GENERAL

HHM7-60 Series miniature circuit breaker applies to industrial, commercial, lighting and electric machine distribution system with AC120/415V, 50/60Hz, rated working current up to 100A to protect against overload and short circuit. The item is installed into plug-in type mounting base.

SPECIFICATIONS

Standard	Unit	IEC/EN 60947-2
Number of Poles	P	1P,2P,3P,4P
Rated current	A	6, 15,20,30,40,50,60
Rated Voltage	V	120 (1P), 120/240 (2P), 240/415 (3P/4P)
Breaking Capacity	A	5KA (120V); 10KA(240/415V)
Rated frequency	Hz	50/60Hz
Electrical Life	Times	6000
Mechanical Life	Times	14000
Degree of protection		IP20
Mounting		Plug-in type

WIRING DIAGRAM / OVERALL AND MOUNTING DIMENSIONS(MM)





GENERAL

HHM8-60 Series miniature circuit breaker applies to industrial, commercial, lighting and electric machine distribution system with AC120/415V, 50/60Hz, rated working current up to 100A to protect against overload and short circuit. The item is installed into plug-in type mounting base.

SPECIFICATIONS

Standard	Unit	IEC/EN 60947-2
Number of Poles	P	1P,2P,3P,4P
Rated current	A	6, 15,20,30,40,50,60
Rated Voltage	V	120 (1P), 120/240 (2P), 240/415 (3P/4P)
Breaking Capacity	A	5KA (120V); 10KA(240/415V)
Rated frequency	Hz	50/60Hz
Electrical Life	Times	6000
Mechanical Life	Times	14000
Degree of protection		IP20
Mounting		Plug-in type

WIRING DIAGRAM / OVERALL AND MOUNTING DIMENSIONS(MM)

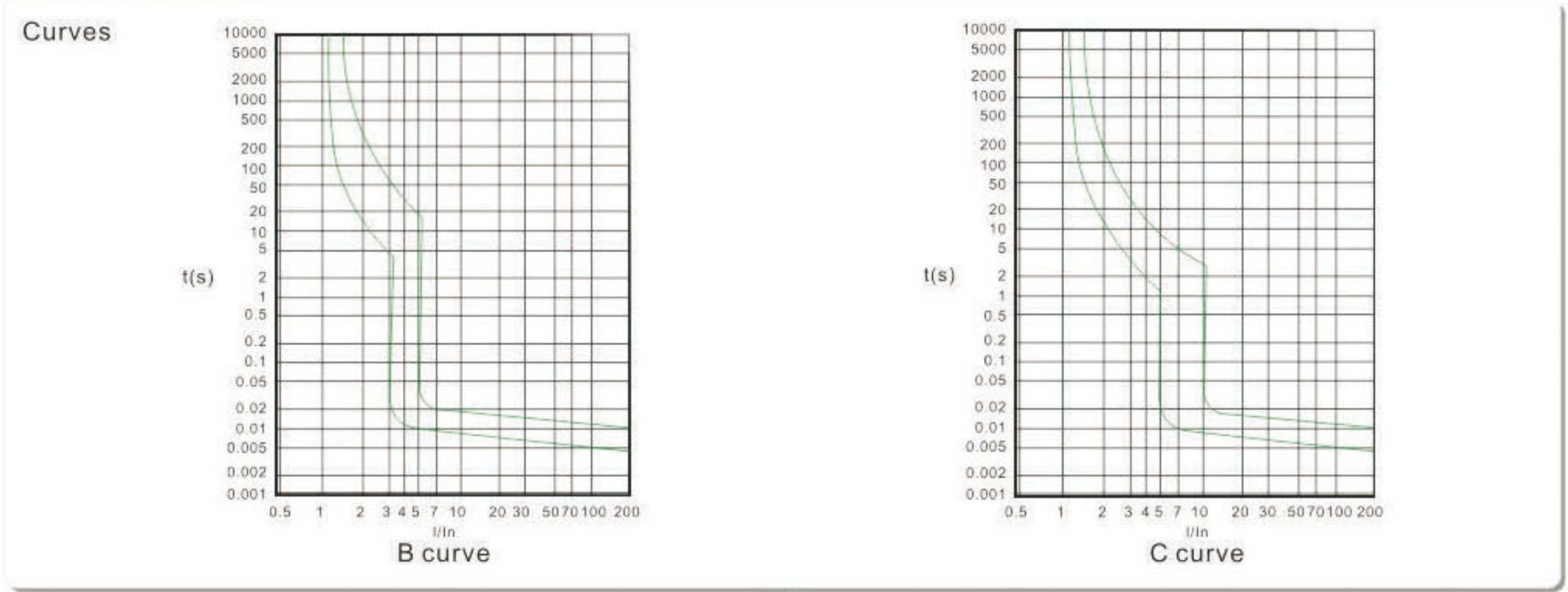




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildly used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



SPECIFICATIONS

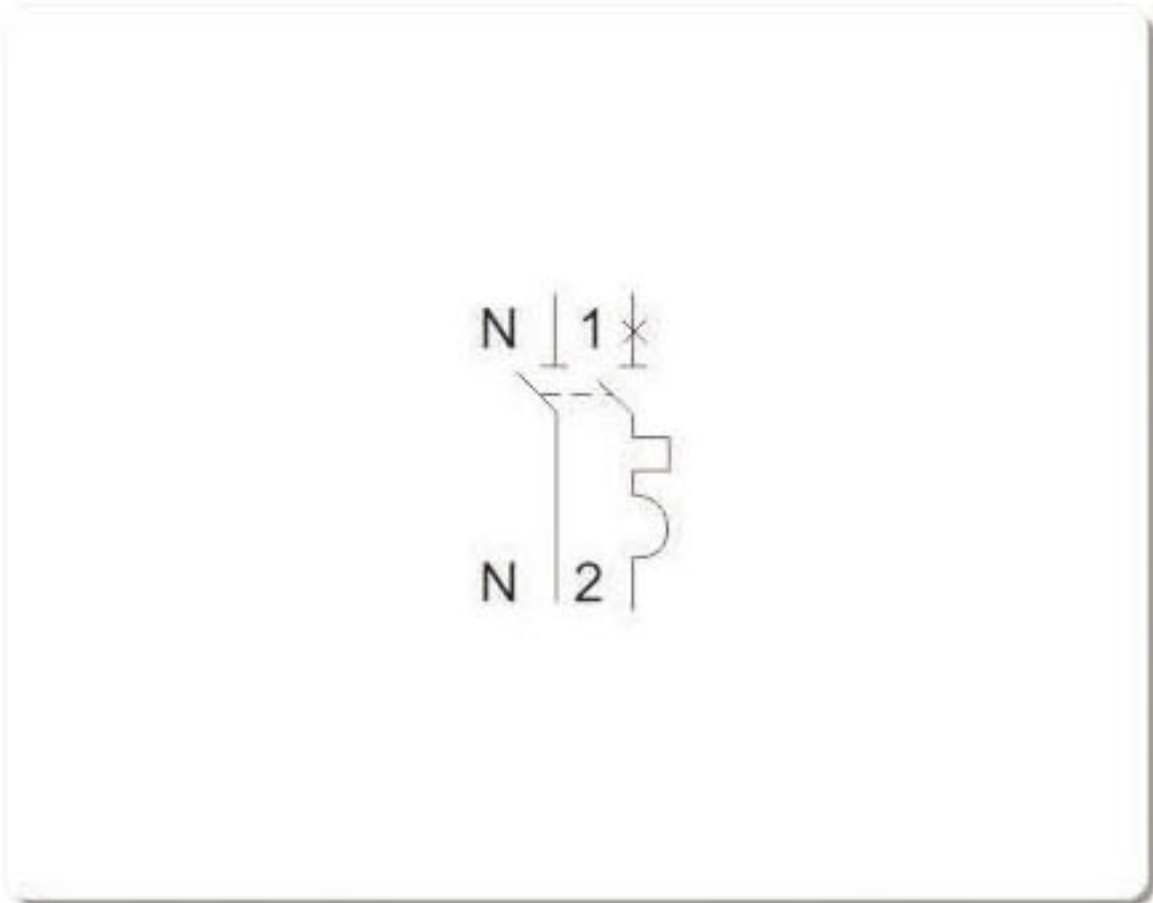
Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	2,4,6,10,16,20,25,32
	Poles	P	1P+N
	Rated voltage Ue	V	AC 230
	Insulation voltage Ui	A	300
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000,4500
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind. Freq for 1min	kV	2
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	16
		AWG	18-5
	Tightening torque	N*m	2
		In-lbs.	18
Connection		From top	

TEMPERATURE DERATING

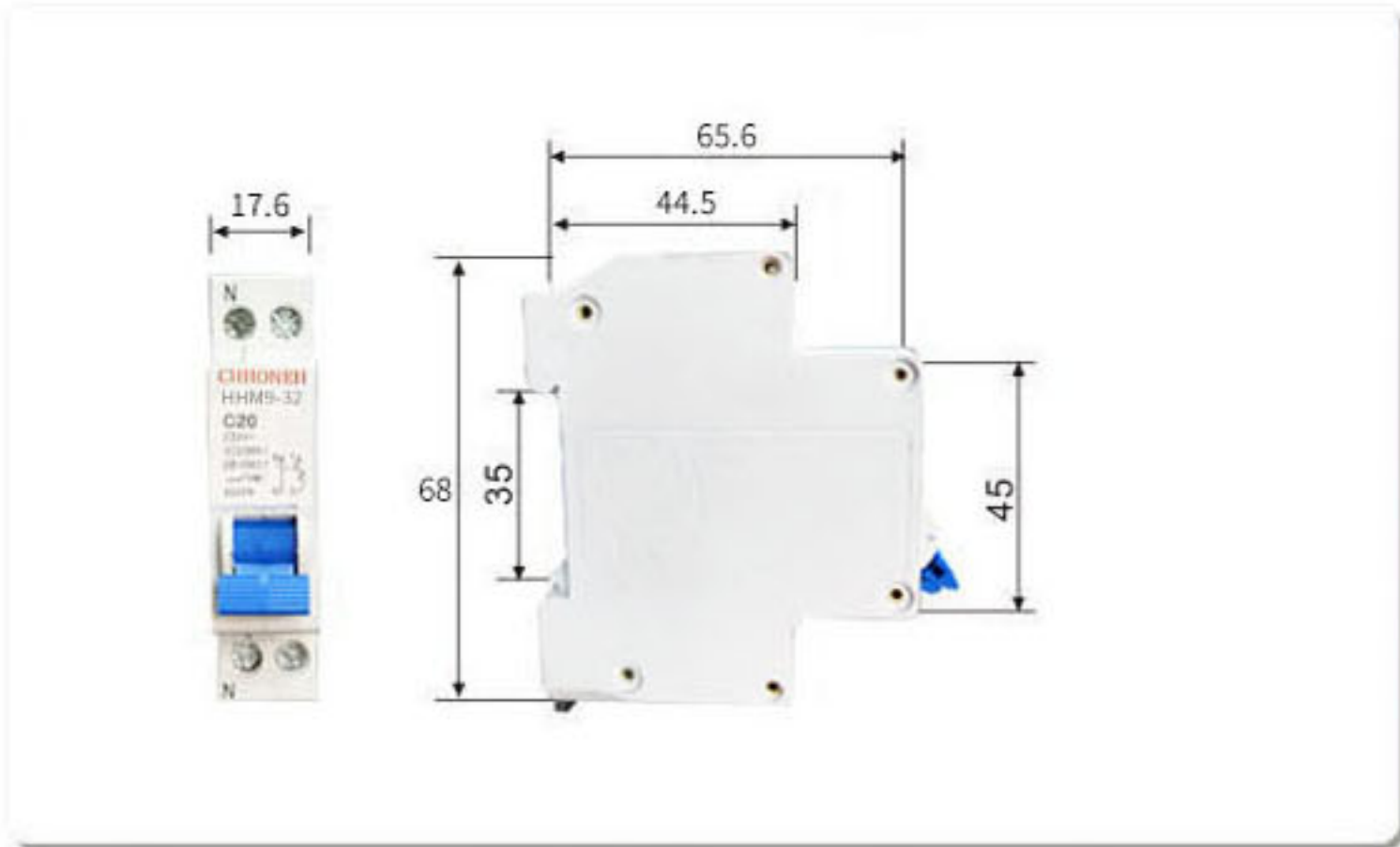
Please refer to table below for temperature compensation correction.

Rated current In(A)	Temperature compensation coefficient under various operational temperature				
	20℃	30℃	40℃	50℃	60℃
6	1.07	1.00	0.93	0.85	0.77
10	1.05	1.00	0.94	0.88	0.81
16	1.09	1.00	0.90	0.88	0.83
20	1.05	1.00	0.94	0.88	0.81
25	1.04	1.00	0.94	0.88	0.80
32	1.06	1.00	0.93	0.86	0.78

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

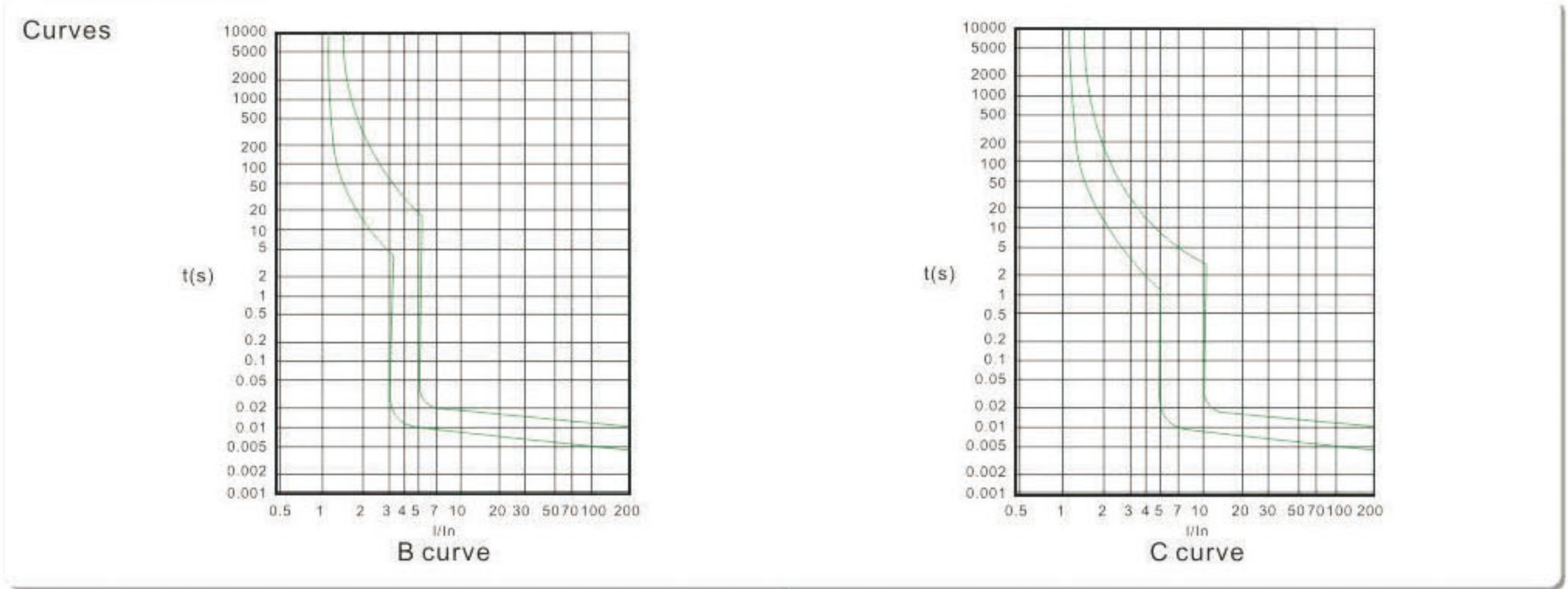




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildly used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



SPECIFICATIONS

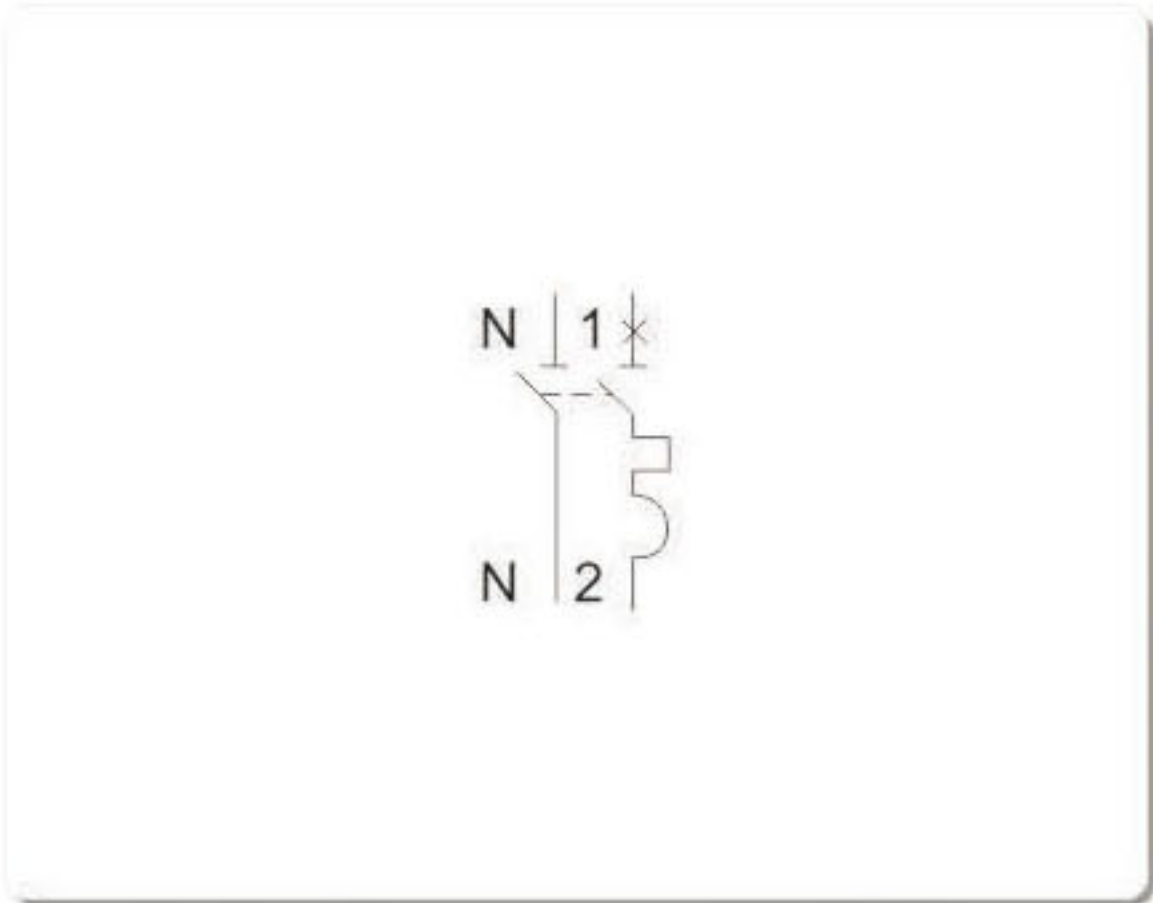
Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	2,4,6,10,16,20,25,32
	Poles	P	1P+N
	Rated voltage Ue	V	AC 230
	Insulation voltage Ui	A	300
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000,4500
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind. Freq for 1min	kV	2
Mechanical features	Pollution degree		2
	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
Installation	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	16
		AWG	18-5
	Tightening torque	N*m	2
		In-lbs.	18
	Connection		From top

TEMPERATURE DERATING

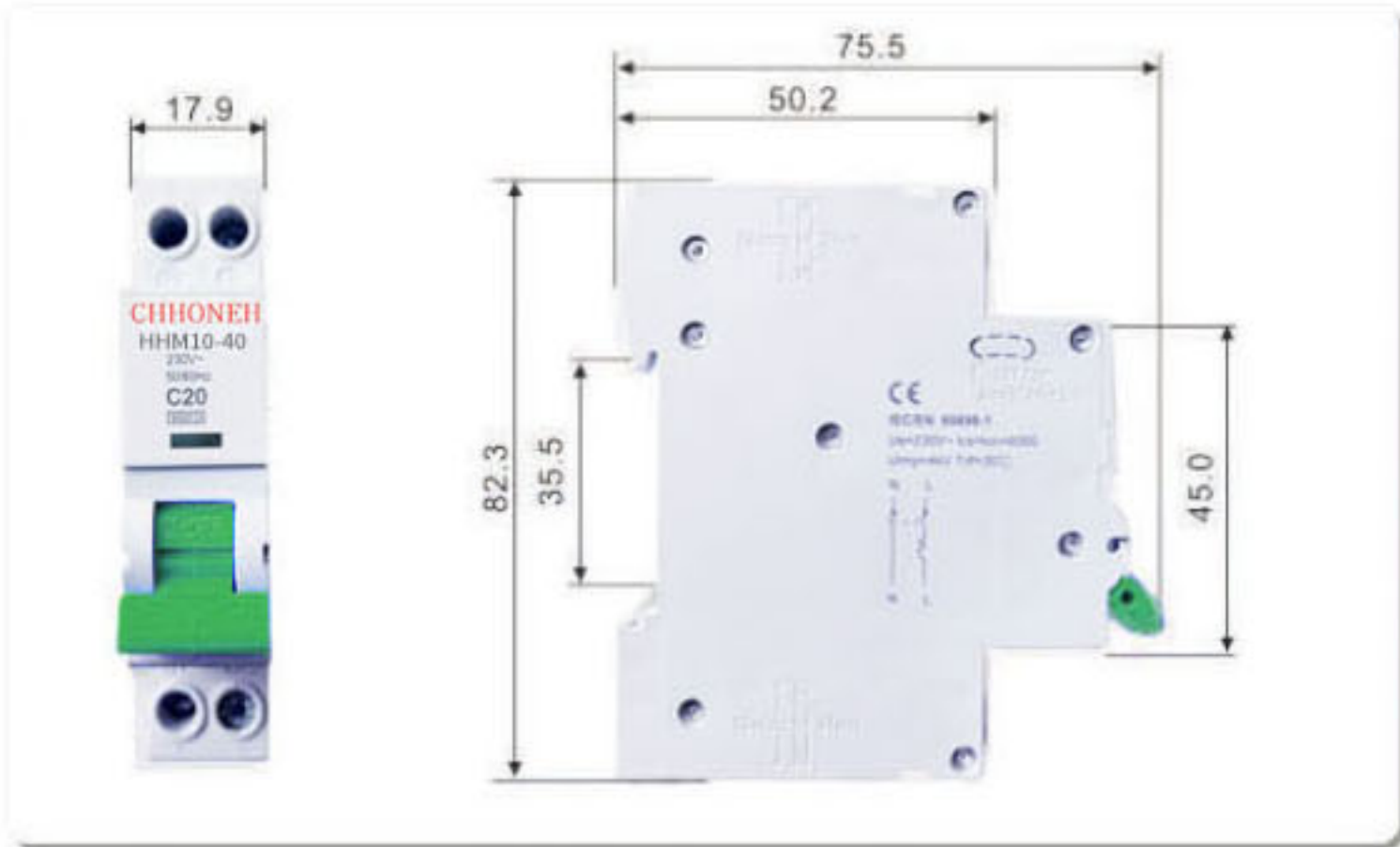
Please refer to table below for temperature compensation correction.

Rated current In(A)	Temperature compensation coefficient under various operational temperature				
	20℃	30℃	40℃	50℃	60℃
6	1.07	1.00	0.93	0.85	0.77
10	1.05	1.00	0.94	0.88	0.81
16	1.09	1.00	0.90	0.88	0.83
20	1.05	1.00	0.94	0.88	0.81
25	1.04	1.00	0.94	0.88	0.80
32	1.06	1.00	0.93	0.86	0.78

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

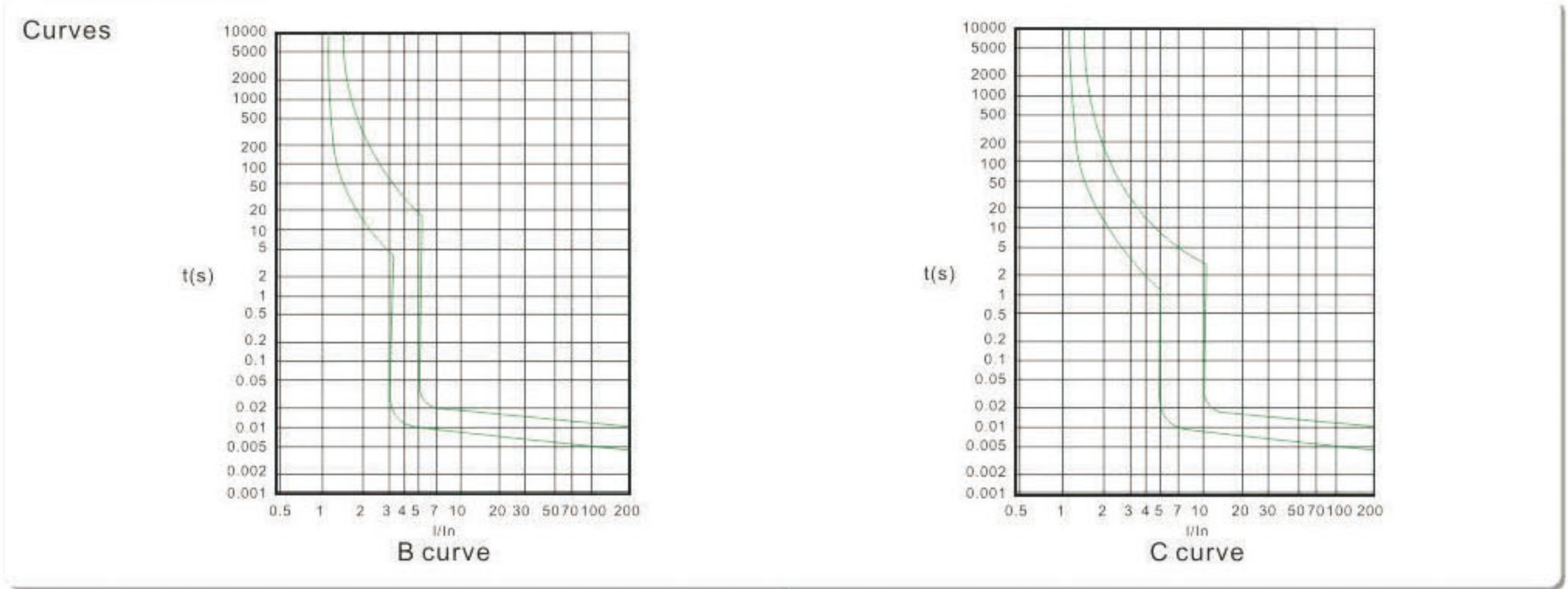




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildly used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



SPECIFICATIONS

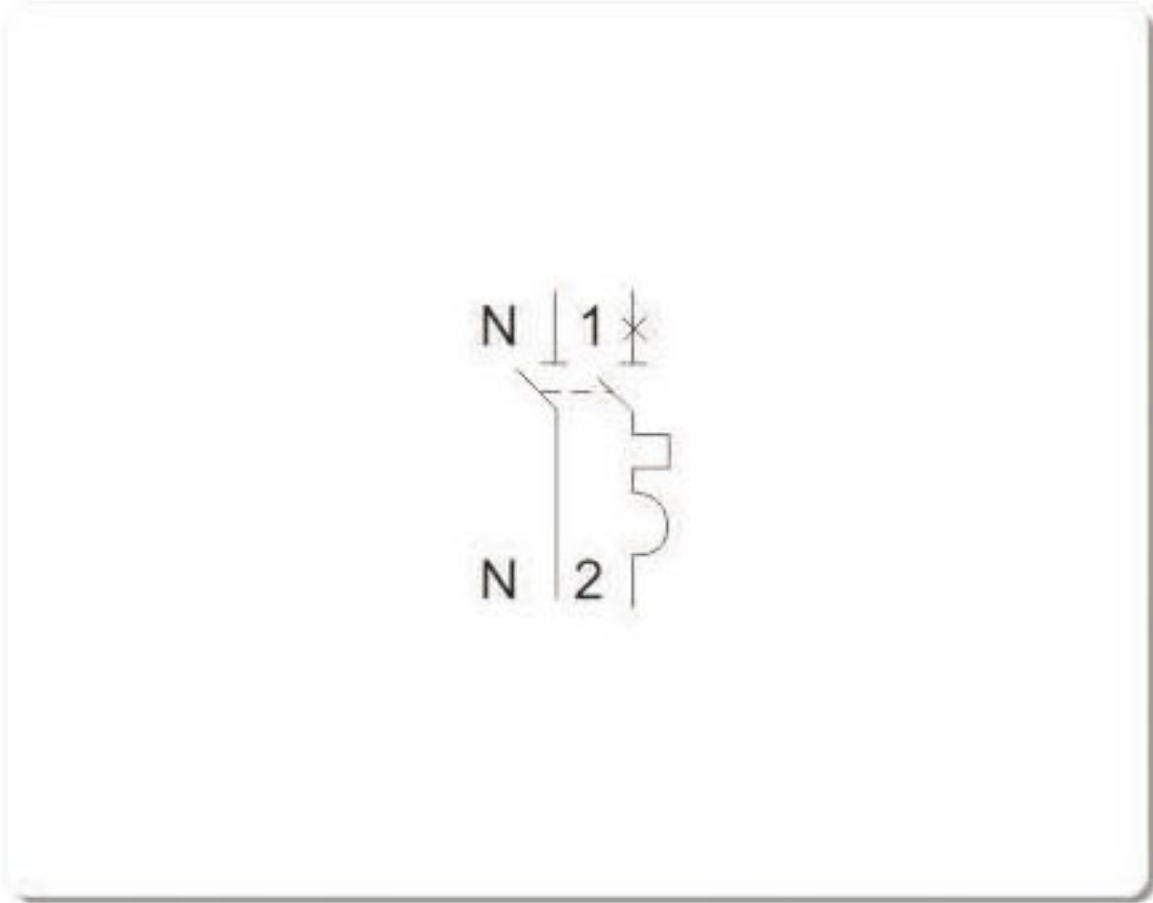
Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	2,4,6,10,16,20,25,32
	Poles	P	1P+N
	Rated voltage Ue	V	AC 230
	Insulation voltage Ui	A	300
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000,4500
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind. Freq for 1min	kV	2
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	16
		AWG	18-5
	Tightening torque	N*m	2
		In-lbs.	18
Connection		From top	

TEMPERATURE DERATING

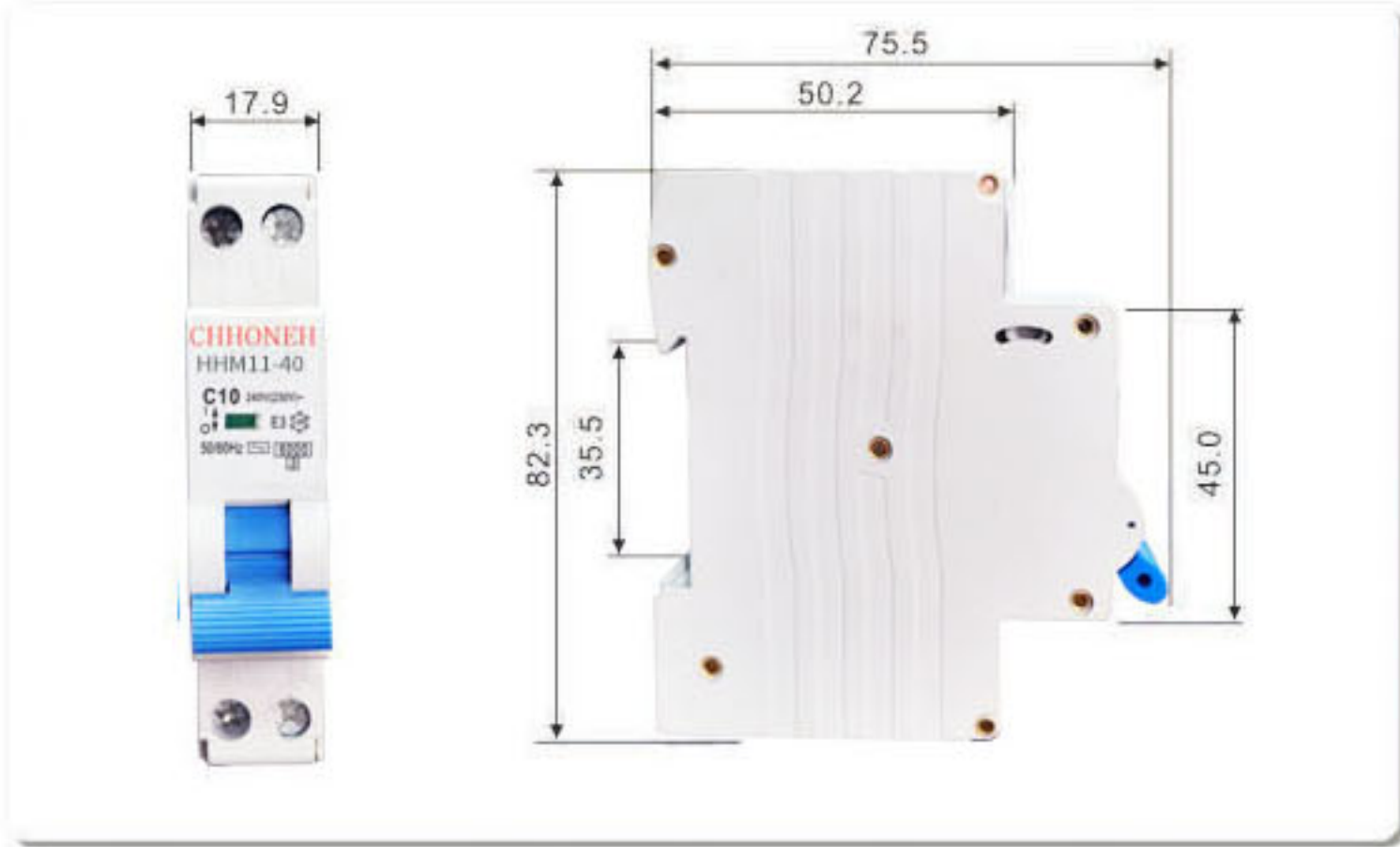
Please refer to table below for temperature compensation correction.

Rated current In(A)	Temperature compensation coefficient under various operational temperature				
	20℃	30℃	40℃	50℃	60℃
6	1.07	1.00	0.93	0.85	0.77
10	1.05	1.00	0.94	0.88	0.81
16	1.09	1.00	0.90	0.88	0.83
20	1.05	1.00	0.94	0.88	0.81
25	1.04	1.00	0.94	0.88	0.80
32	1.06	1.00	0.93	0.86	0.78

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

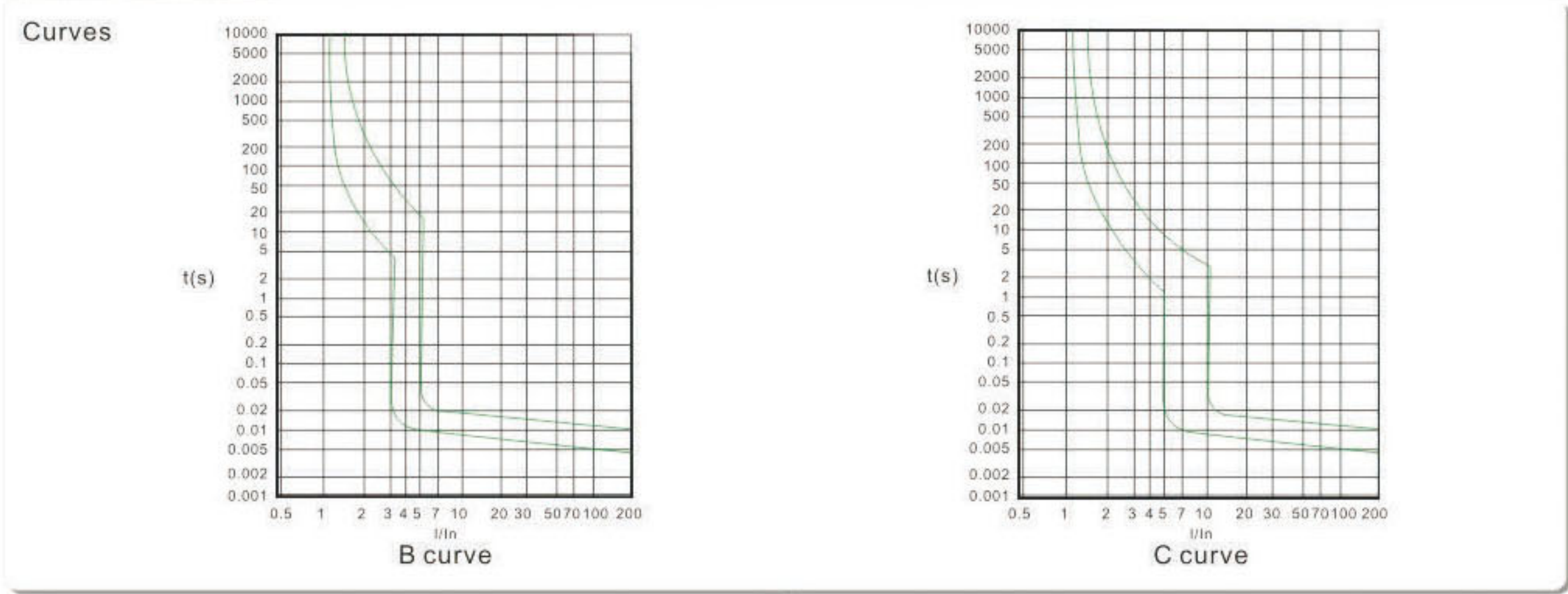




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildy used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



SPECIFICATIONS

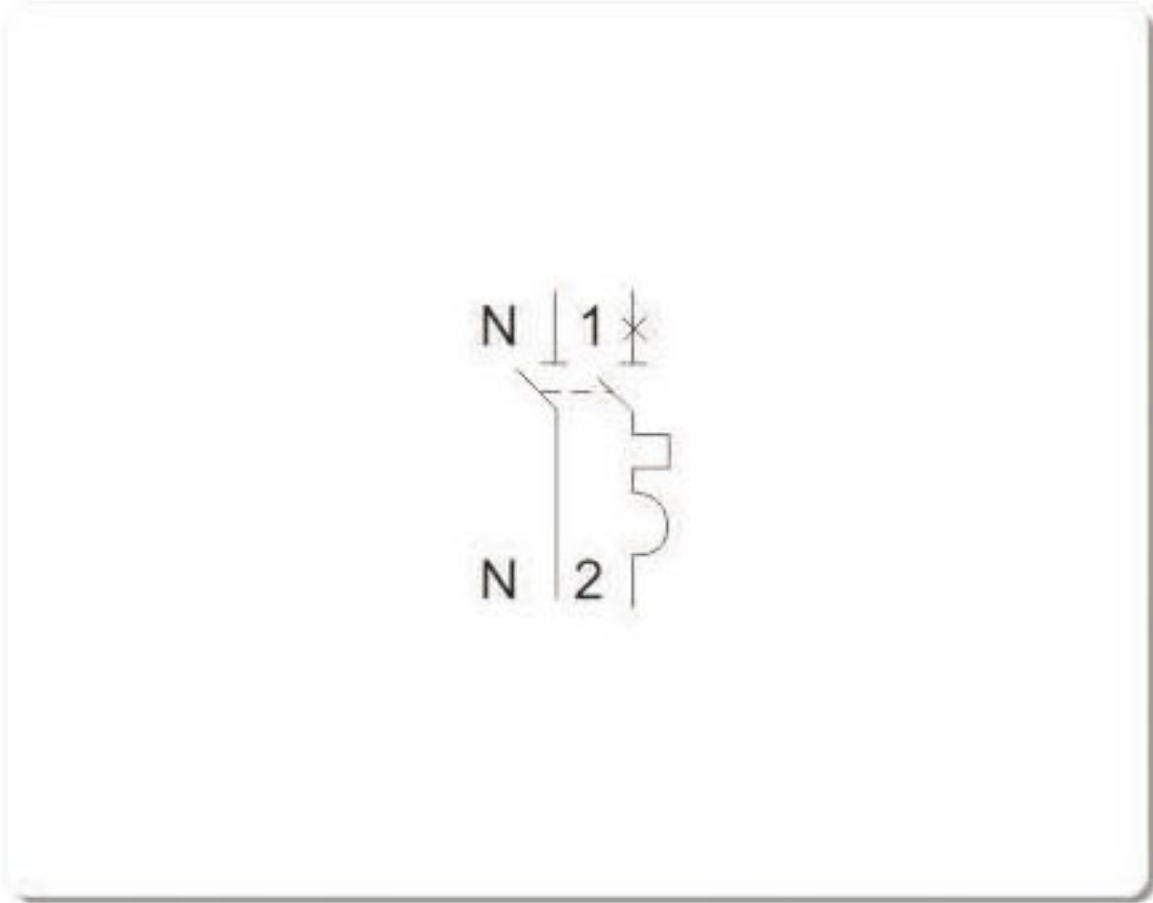
Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	2,4,6,10,16,20,25,32
	Poles	P	1P+N
	Rated voltage Ue	V	AC 230
	Insulation voltage Ui	A	300
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000,4500
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind. Freq for 1min	kV	2
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
	Installation	Terminal connection type	
Terminal size top/bottom for cable		mm ²	16
		AWG	18-5
Terminal size top/bottom for busbar		mm ²	16
		AWG	18-5
Tightening torque		N*m	2
		In-lbs.	18
Connection		From top	

TEMPERATURE DERATING

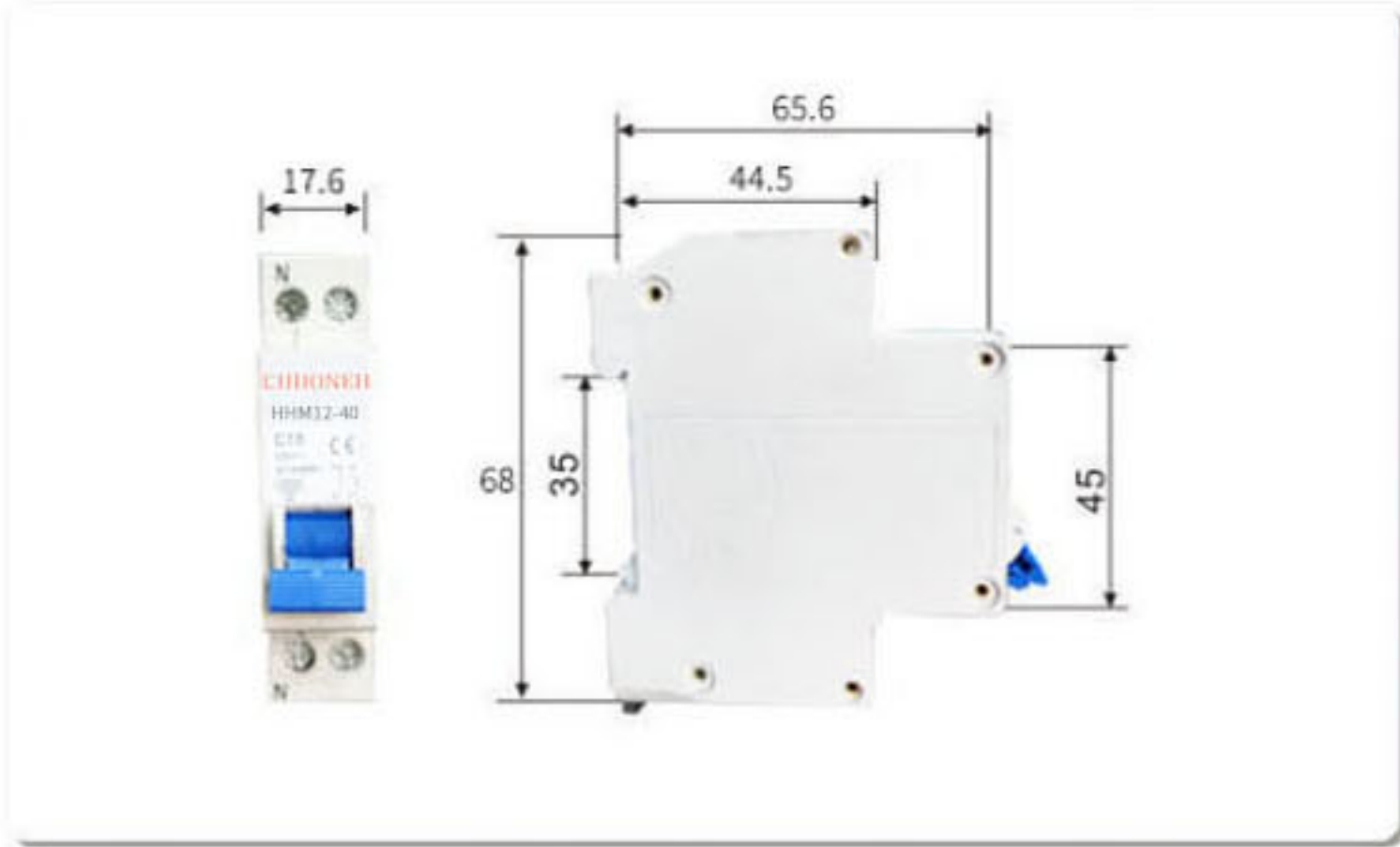
Please refer to table below for temperature compensation correction.

Rated current In(A)	Temperature compensation coefficient under various operational temperature				
	20℃	30℃	40℃	50℃	60℃
6	1.07	1.00	0.93	0.85	0.77
10	1.05	1.00	0.94	0.88	0.81
16	1.09	1.00	0.90	0.88	0.83
20	1.05	1.00	0.94	0.88	0.81
25	1.04	1.00	0.94	0.88	0.80
32	1.06	1.00	0.93	0.86	0.78

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





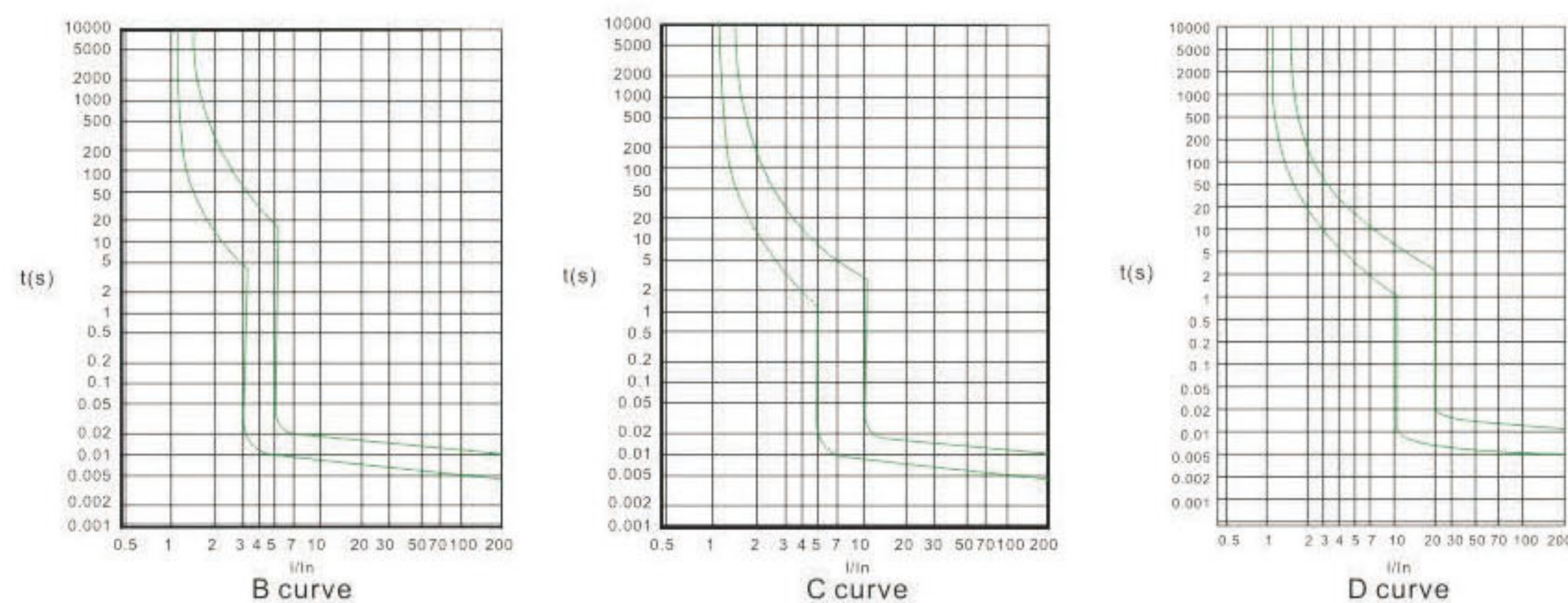
GENERAL

HHM13-63 Series DC Miniature circuit breaker can quickly break the fault currents in DC power distribution system, Especially for the DC system of power projects in measurement and protection screen and electric screen between leapfrog tripping accident, the series has excellent performance, and avoid the occurrence of the fault. The products can protect the solar photovoltaic power generation in the important devices in PV module from high DC reverse current and due to failure of the inverter AC feedback current hazards, to ensure the reliable operation of solar photovoltaic power generation system. It is used on buildings and similar places the line facilities of over current protection, can also be used in less frequent break operation. And has small volume, breaking capacity, arcing distance is short, fast closing and installation is convenient.

SPECIFICATIONS

Curves

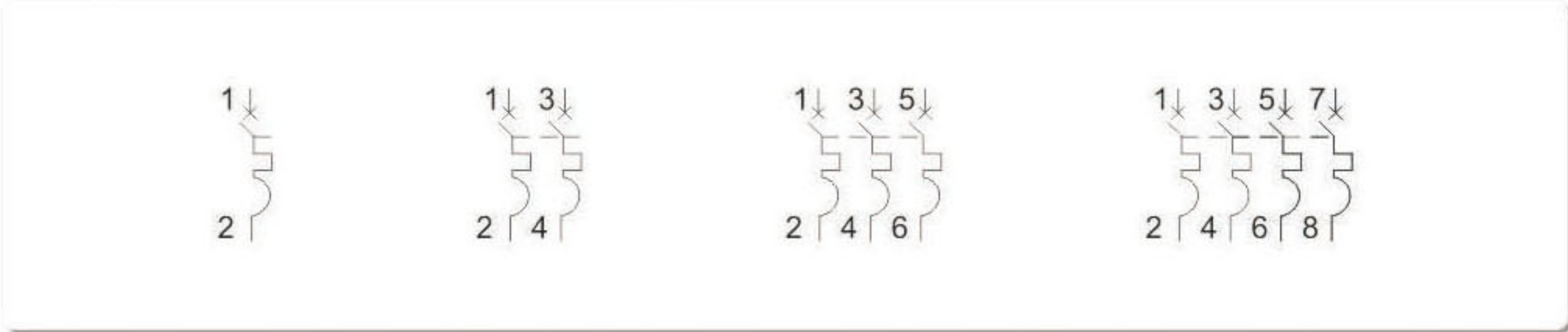
HHM13-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



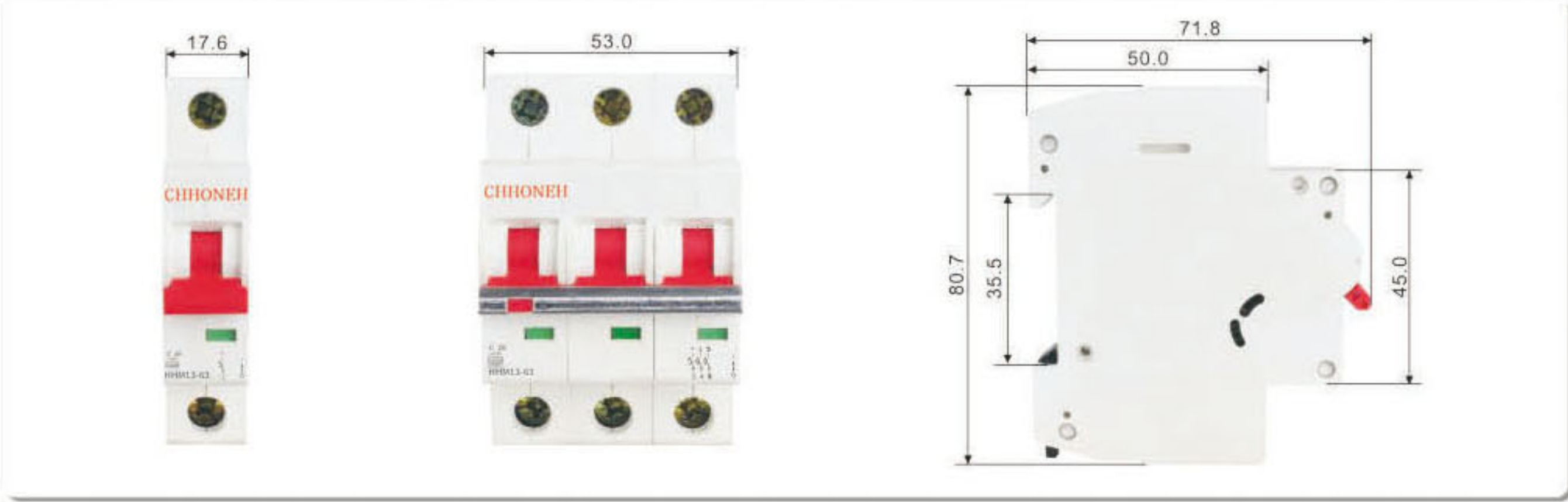
SPECIFICATIONS

Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	6000、10000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





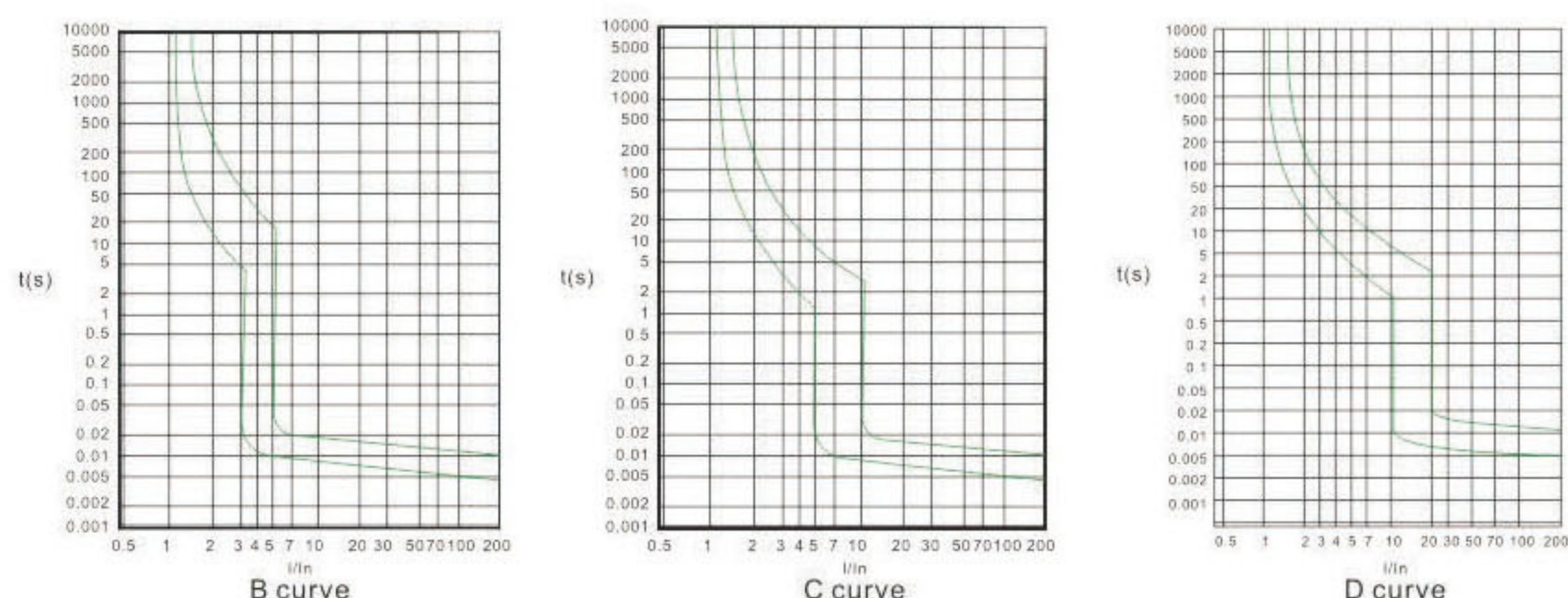
GENERAL

HHM14-63 Series DC Miniature circuit breaker can quickly break the fault currents in DC power distribution system, Especially for the DC system of power projects in measurement and protection screen and electric screen between leapfrog tripping accident, the series has excellent performance, and avoid the occurrence of the fault. The products can protect the solar photovoltaic power generation in the important devices in PV module from high DC reverse current and due to failure of the inverter AC feedback current hazards, to ensure the reliable operation of solar photovoltaic power generation system. It is used on buildings and similar places the line facilities of over current protection, can also be used in less frequent break operation. And has small volume, breaking capacity, arcing distance is short, fast closing and installation is convenient.

SPECIFICATIONS

Curves

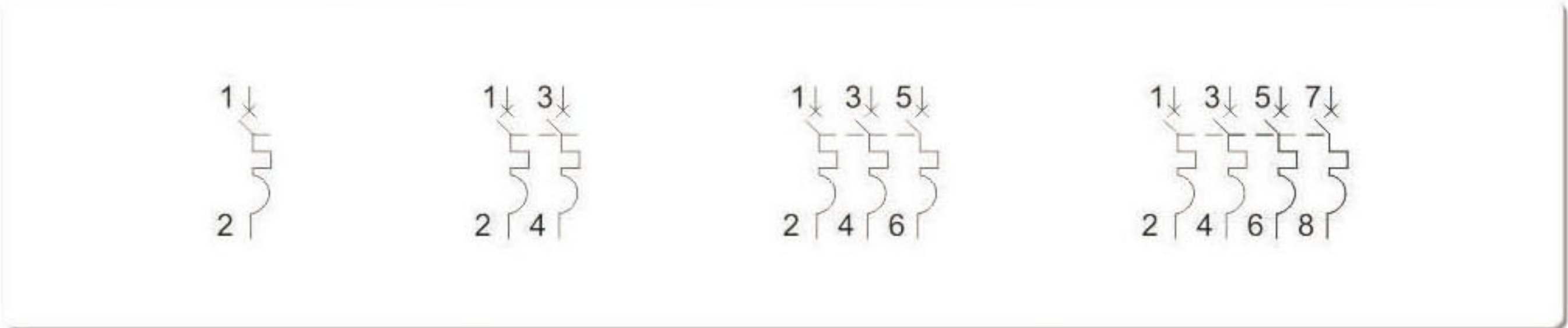
HHM14-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



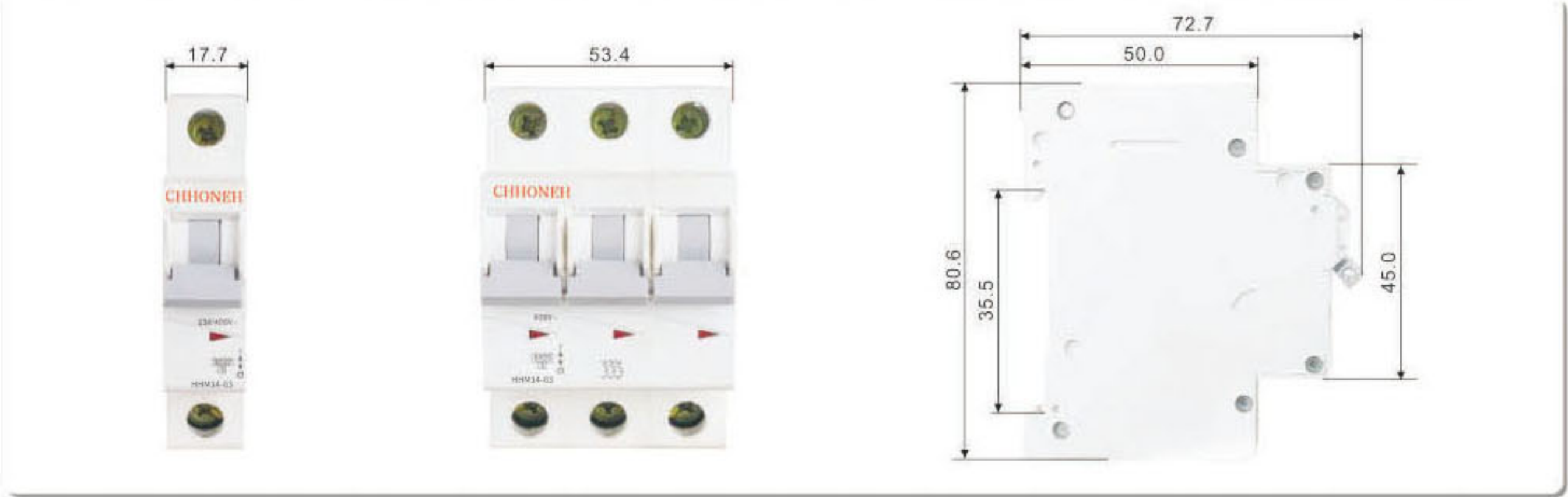
SPECIFICATIONS

Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	6000、10000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





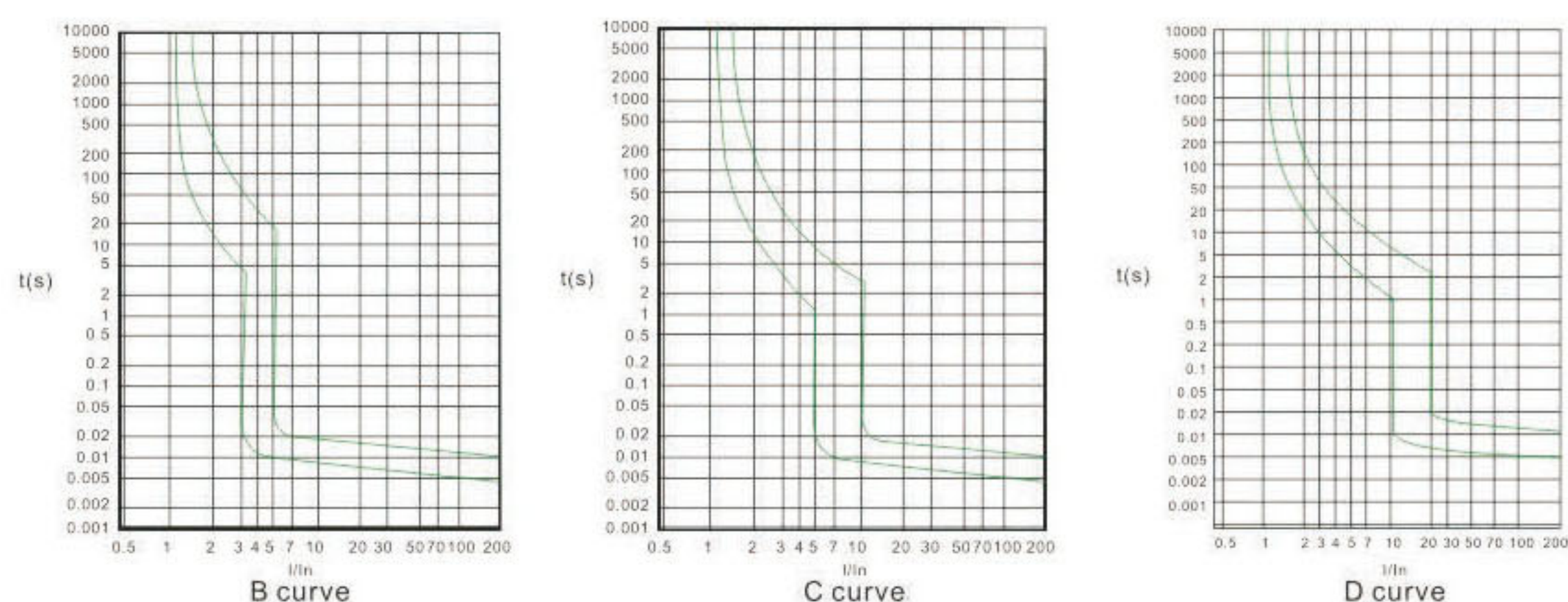
GENERAL

HHM15-63 Series DC Miniature circuit breaker can quickly break the fault currents in DC power distribution system, Especially for the DC system of power projects in measurement and protection screen and electric screen between leapfrog tripping accident, the series has excellent performance, and avoid the occurrence of the fault. The products can protect the solar photovoltaic power generation in the important devices in PV module from high DC reverse current and due to failure of the inverter AC feedback current hazards, to ensure the reliable operation of solar photovoltaic power generation system. It is used on buildings and similar places the line facilities of over current protection, can also be used in less frequent break operation. And has small volume, breaking capacity, arcing distance is short, fast closing and installation is convenient.

SPECIFICATIONS

Curves

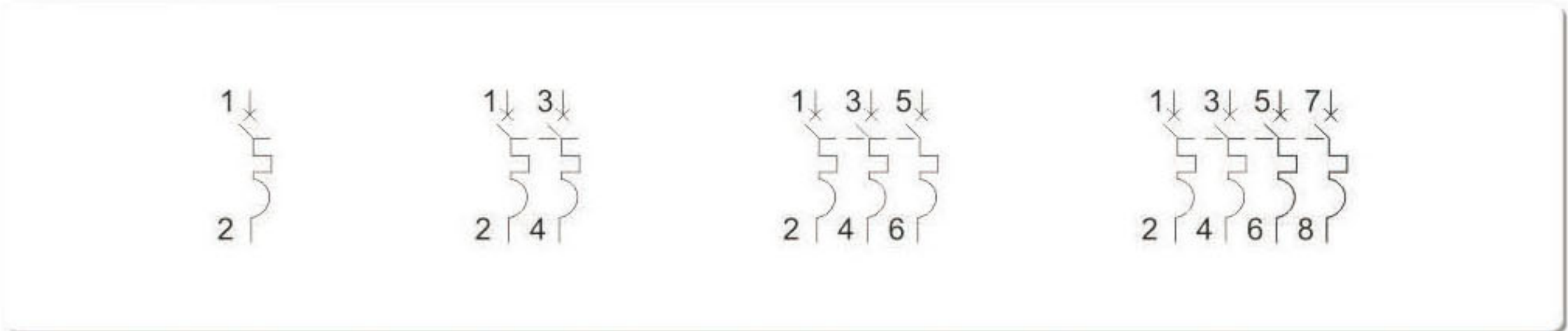
HHM15-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



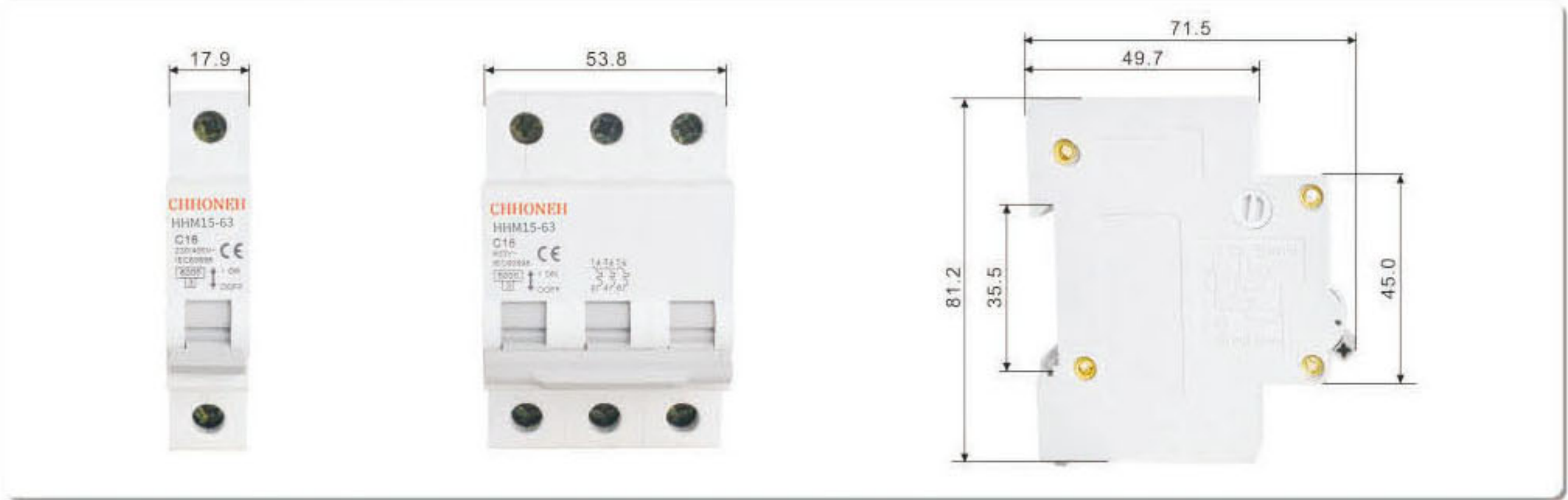
SPECIFICATIONS

Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500、6000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





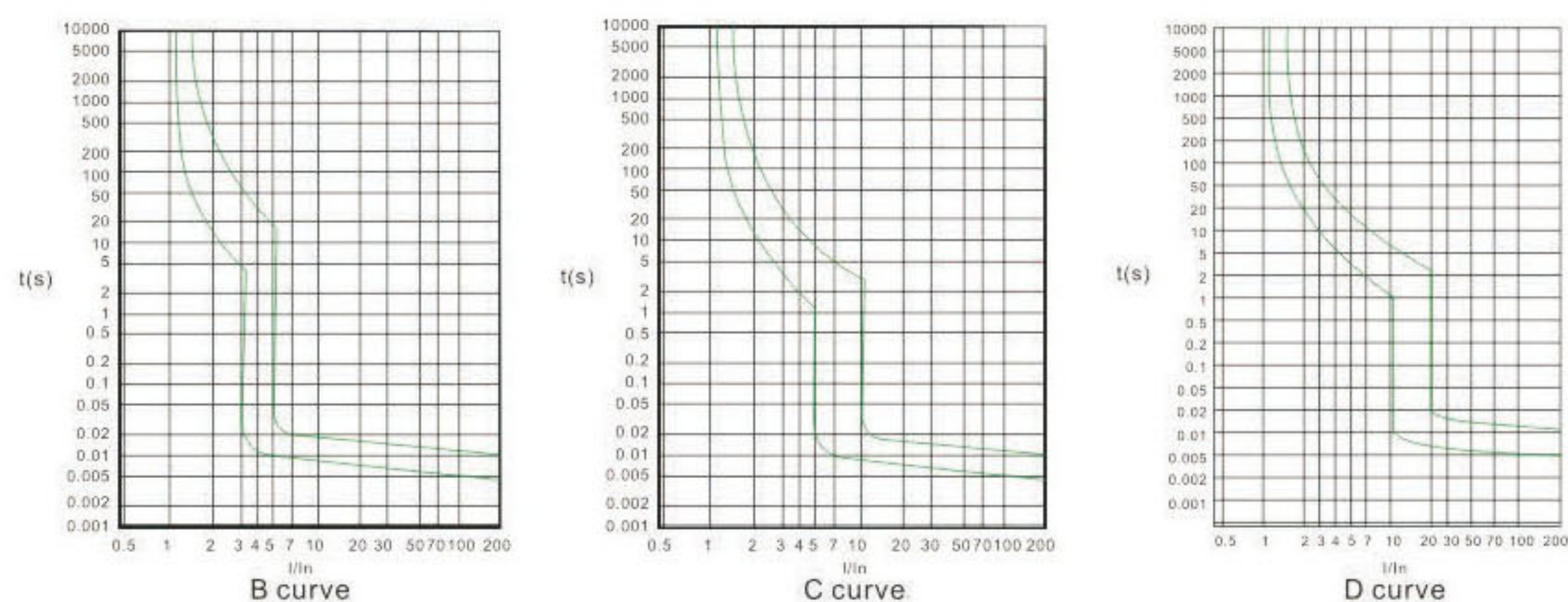
GENERAL

HHM16-63 Series DC Miniature circuit breaker can quickly break the fault currents in DC power distribution system, Especially for the DC system of power projects in measurement and protection screen and electric screen between leapfrog tripping accident, the series has excellent performance, and avoid the occurrence of the fault. The products can protect the solar photovoltaic power generation in the important devices in PV module from high DC reverse current and due to failure of the inverter AC feedback current hazards, to ensure the reliable operation of solar photovoltaic power generation system. It is used on buildings and similar places the line facilities of over current protection, can also be used in less frequent break operation. And has small volume, breaking capacity, arcing distance is short, fast closing and installation is convenient.

SPECIFICATIONS

Curves

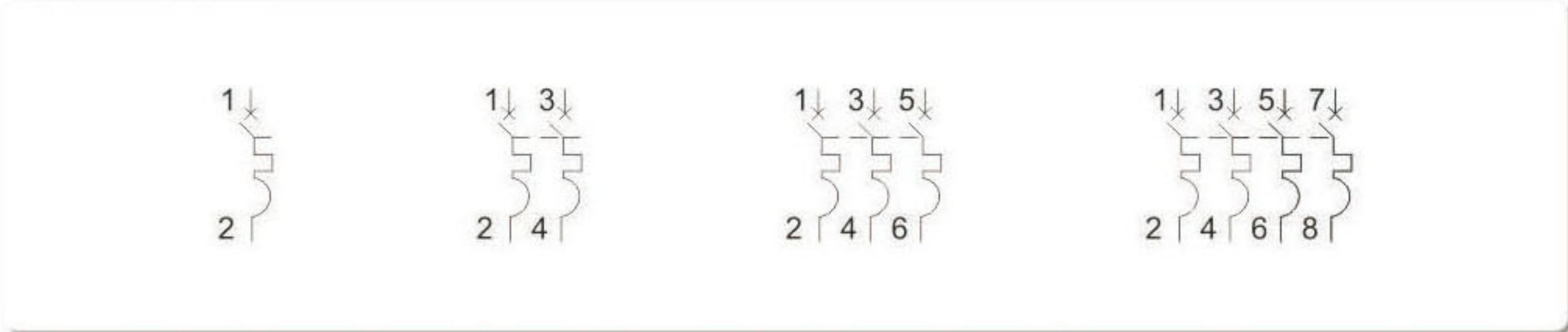
HHM16-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



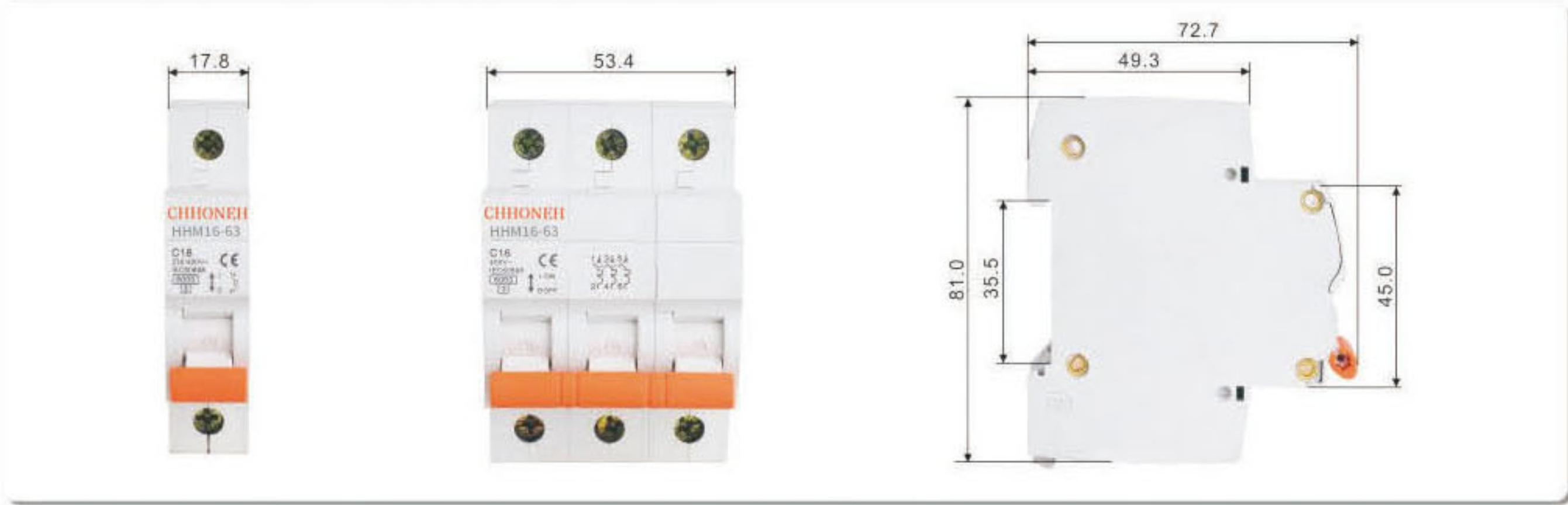
SPECIFICATIONS

Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500、6000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





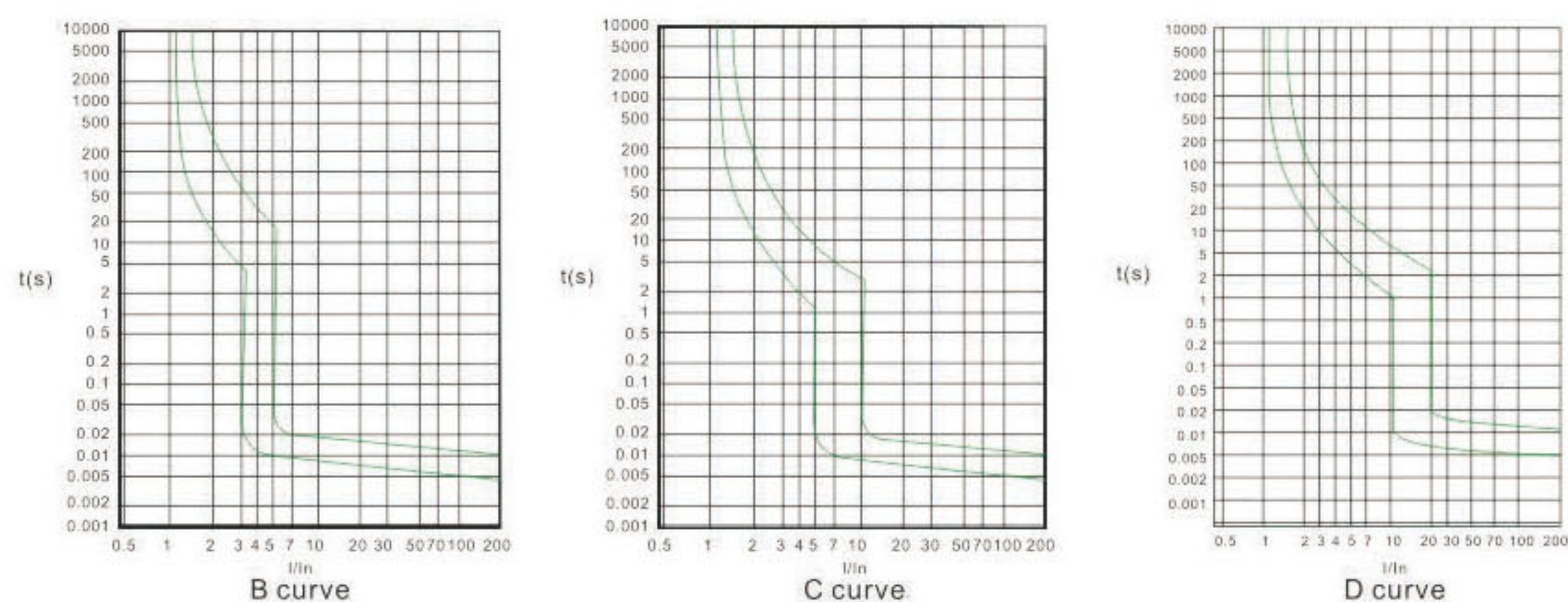
GENERAL

HHM17-63 Series DC Miniature circuit breaker can quickly break the fault currents in DC power distribution system, Especially for the DC system of power projects in measurement and protection screen and electric screen between leapfrog tripping accident, the series has excellent performance, and avoid the occurrence of the fault. The products can protect the solar photovoltaic power generation in the important devices in PV module from high DC reverse current and due to failure of the inverter AC feedback current hazards, to ensure the reliable operation of solar photovoltaic power generation system. It is used on buildings and similar places the line facilities of over current protection, can also be used in less frequent break operation. And has small volume, breaking capacity, arcing distance is short, fast closing and installation is convenient.

SPECIFICATIONS

Curves

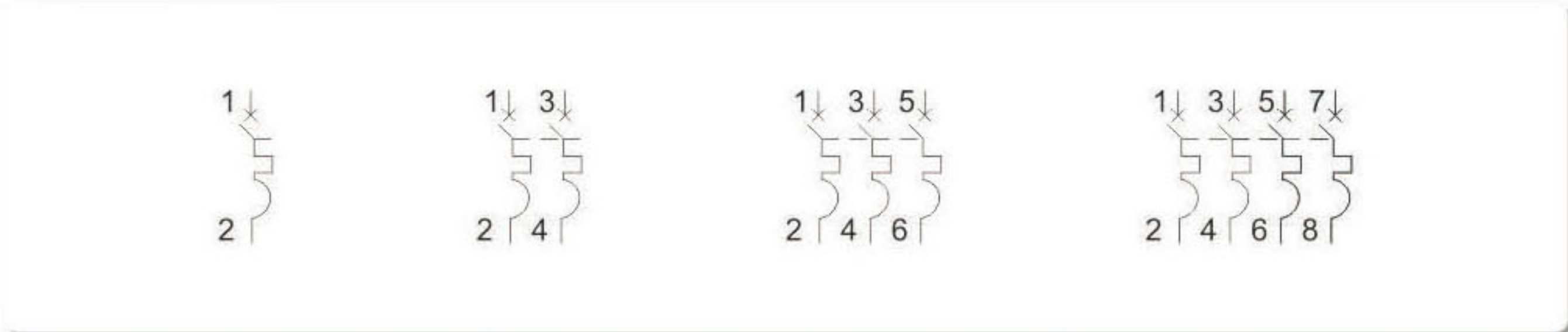
HHM17-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



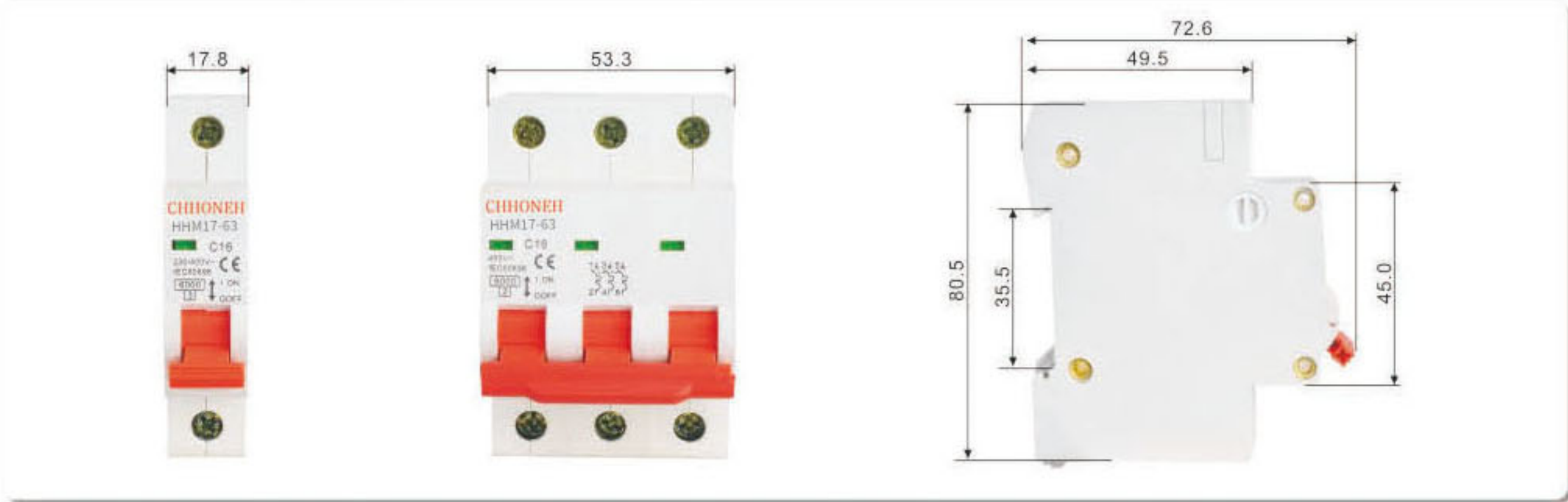
SPECIFICATIONS

Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500、6000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





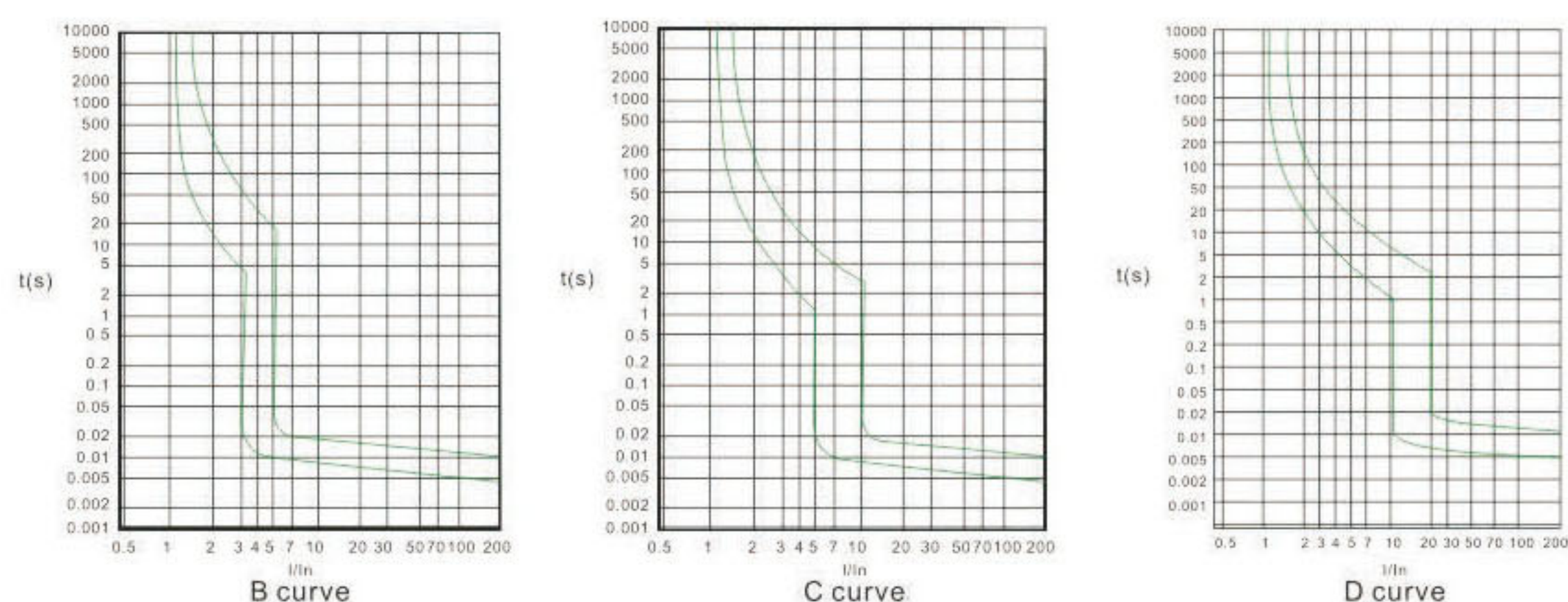
GENERAL

HHM18-63 Series DC Miniature circuit breaker can quickly break the fault currents in DC power distribution system, Especially for the DC system of power projects in measurement and protection screen and electric screen between leapfrog tripping accident, the series has excellent performance, and avoid the occurrence of the fault. The products can protect the solar photovoltaic power generation in the important devices in PV module from high DC reverse current and due to failure of the inverter AC feedback current hazards, to ensure the reliable operation of solar photovoltaic power generation system. It is used on buildings and similar places the line facilities of over current protection, can also be used in less frequent break operation. And has small volume, breaking capacity, arcing distance is short, fast closing and installation is convenient.

SPECIFICATIONS

Curves

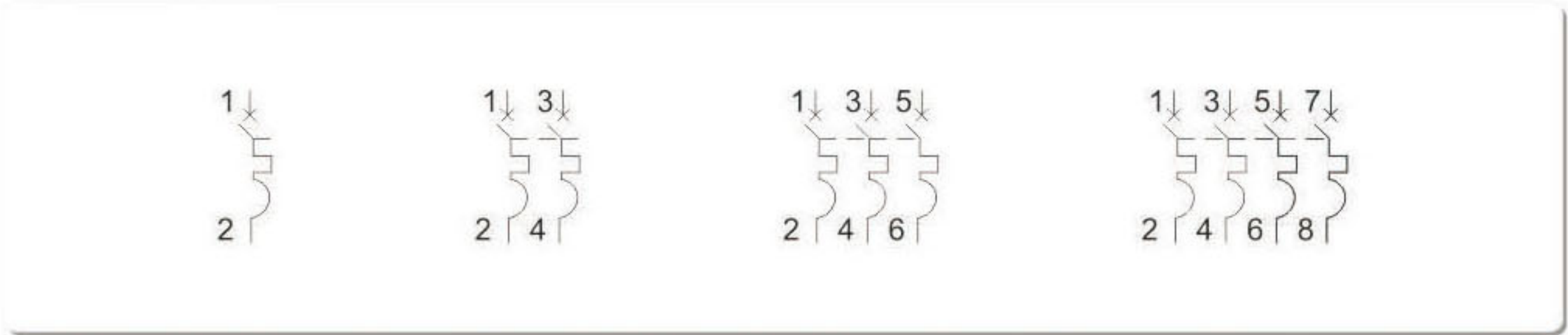
HHM18-63 is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.



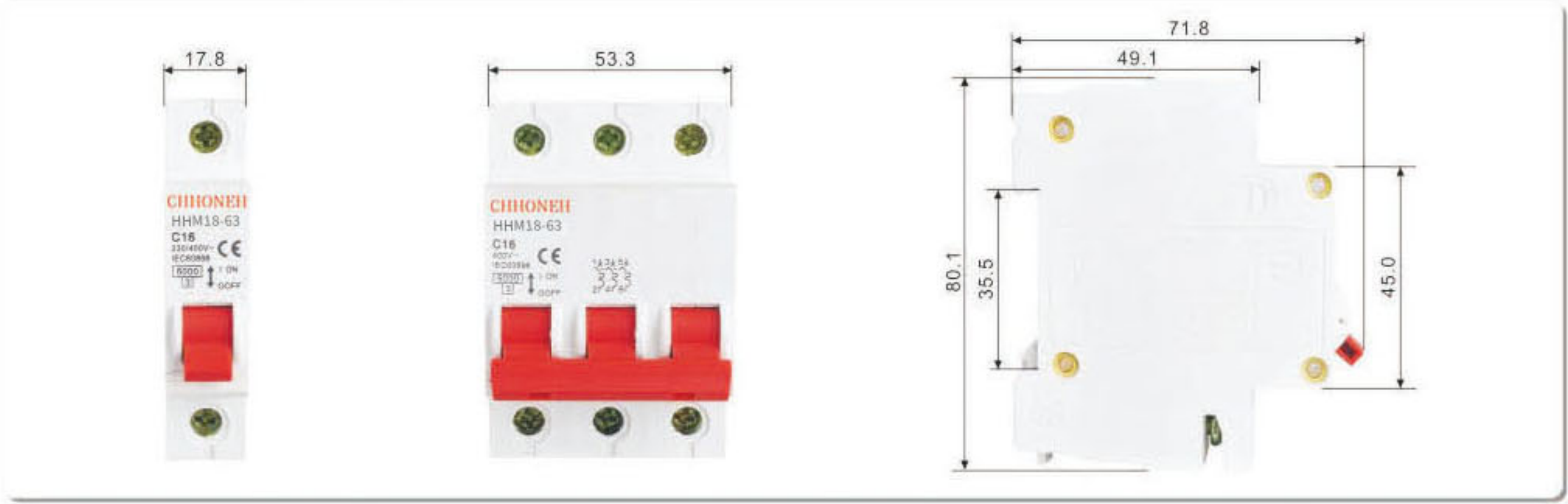
SPECIFICATIONS

Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	AC 240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500、6000
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





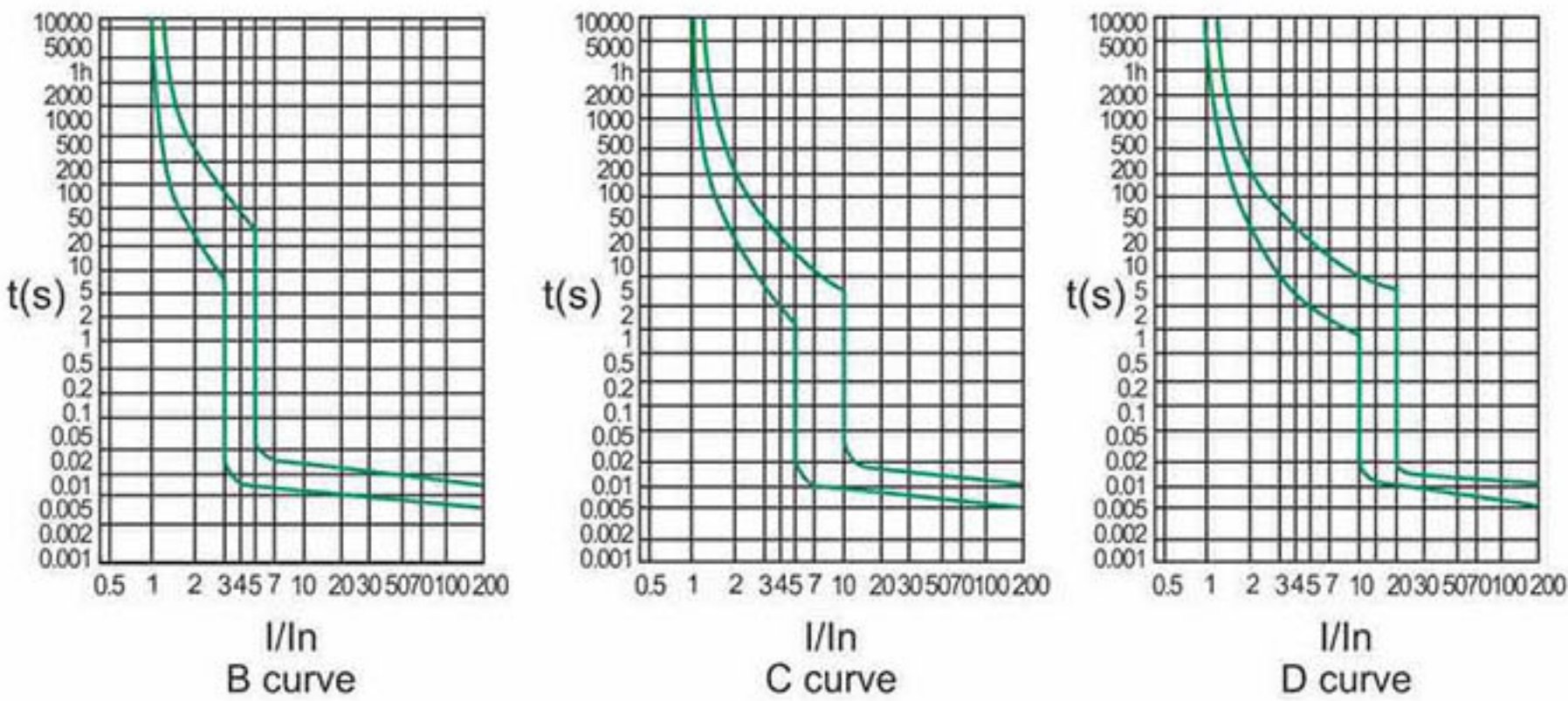
Construction and Feature

- High short-short capacity 6KA.
 - Designed to protect circuit carrying big current up to 63A.
- Contact position indication.
 - Used as main switch in household and similar installation.

Standard	IEC/EN 60898-1
Pole No	1P,1P+N, 2P, 3P,3P+N,4P
Rated voltage	AC 230V/400V
Rated Current(A)	1A,2A,3A,4A,6A,10A,16A,20A,25A,32A,40A,50A,63A
Tripping curve	B, C, D
Rated short-circuit capacity(Icn)	6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage Uimp	4kV
Connection terminal	Pillar terminal with clamp
Mechanical life	20,000 Cycles
Electrical life	4000 Cycles
Protection degree	IP20
Connection capacity	Flexible conductor 35mm ²
	Rigid conductor 50mm ²
Installation	On symmetrical DIN rail 35mm
	Panel mounting



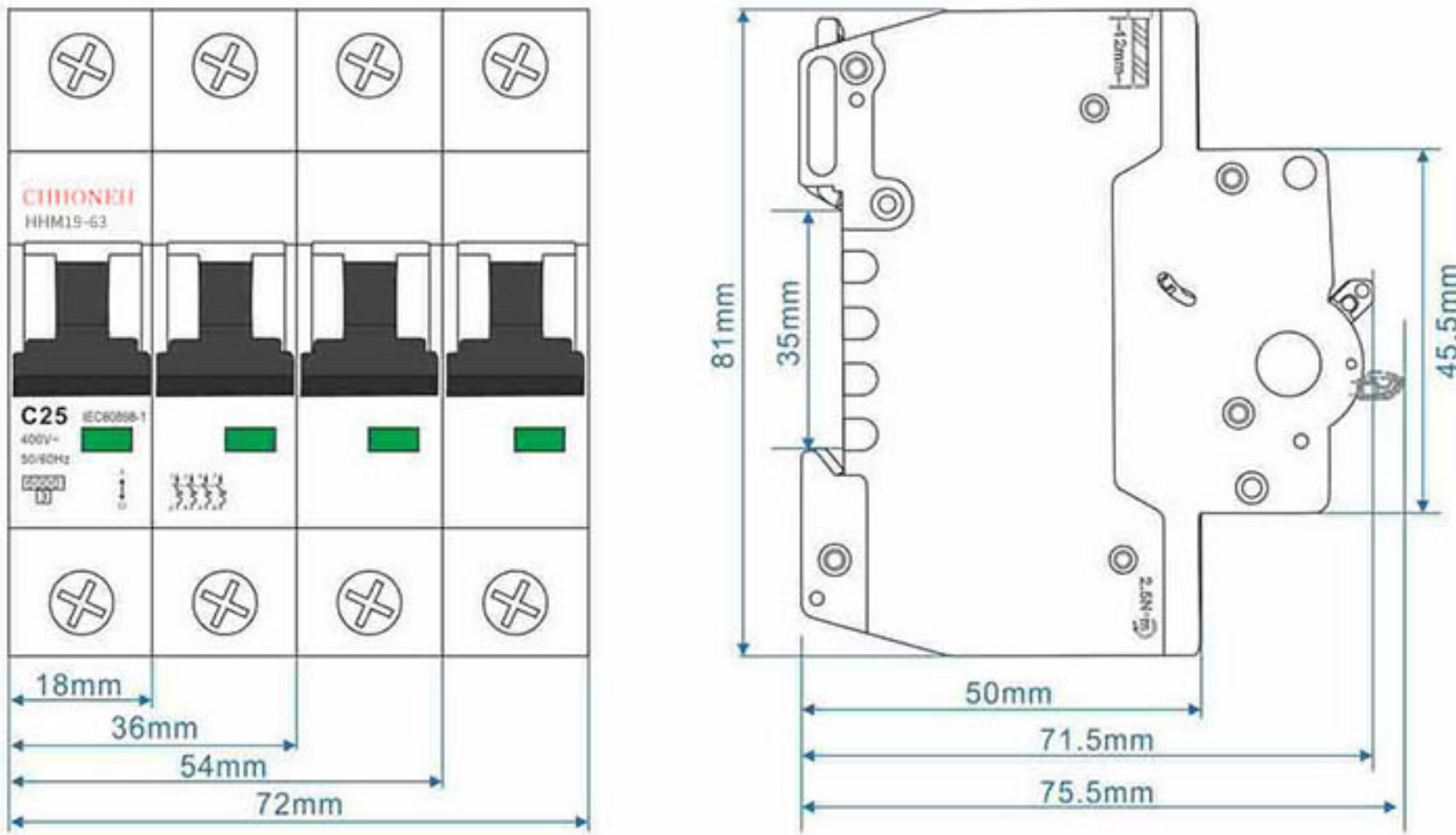
The tripping characteristic curves



Overload Current Protection Characteristics

Test	Tripping Type	Test Current	Initial State	Tripping time or Non-tripping Time Provisor	
a	Time-delay	1.13In	Cold	$t \leq 1h (I_n \leq 63A)$ $t \leq 2h (I_n > 63A)$	No Tripping
b	Time-delay	1.45In	After test a	$t < 1h (I_n \leq 63A)$ $t < 2h (I_n > 63A)$	Tripping
c	Time-delay	2.55In	Cold	$10s < t < 60s (I_n \leq 63A)$ $20s < t < 120s (I_n > 63A)$	Tripping
d	B curve	3In	Cold	$t \leq 0.1s$	No Tripping
	C curve	5In	Cold	$t \leq 0.1s$	No Tripping
	D curve	10In	Cold	$t \leq 0.1s$	No Tripping
e	B curve	5In	Cold	$t \leq 0.1s$	Tripping
	C curve	10In	Cold	$t \leq 0.1s$	Tripping
	D curve	20In	Cold	$t \leq 0.1s$	Tripping

Overall & Installation Dimensions



Construction and Feature

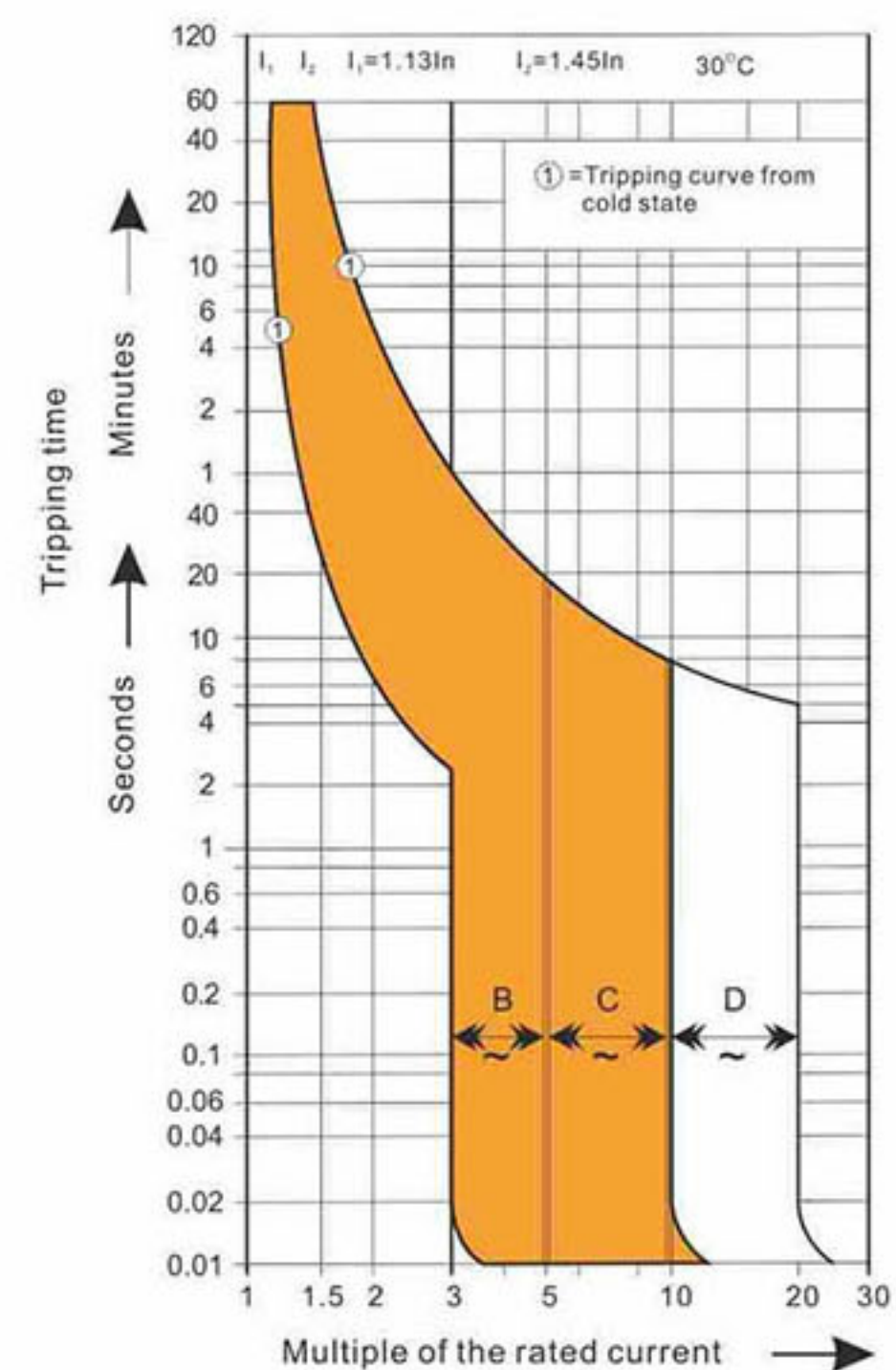
- High short-short capacity 10KA.
- Designed to protect circuit carrying big current up to 125A.
- Contact position indication.
- Used as main switch in household and similar installation.

Technical Data

- Pole No: 1P, 2P, 3P, 4P
- Rated voltage: AC 230V/400V
- Rated Current(A): 63A, 80A, 100A
- Tripping curve: C, D
- Rated short-circuit capacity(I_{cn}): 10000A
- Rated service short-circuit capacity(I_{cs}): 7500A
- Rated frequency: 50/60Hz
- Rated impulse withstand voltage: 6.2kV
- Electro-mechanical endurance: 10000
- Connection capacity:
 - Flexible conductor 50mm²
 - Rigid conductor 50mm²
- Installation:
 - On symmetrical DIN rail 35.5mm
 - Panel mounting



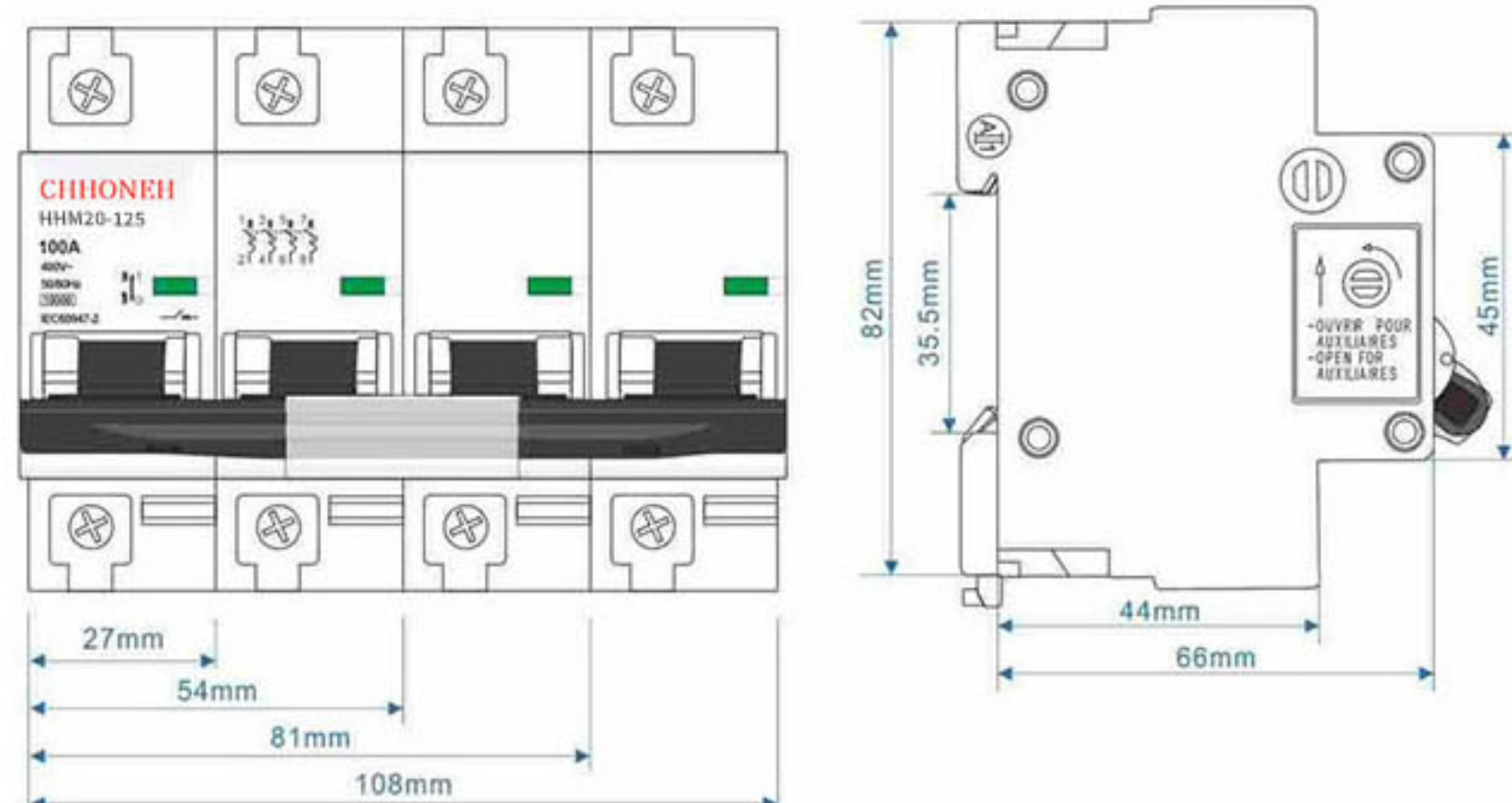
The tripping characteristic curves



Compliance

- IEC60947-2
- EN60947-2

Overall & Installation Dimensions

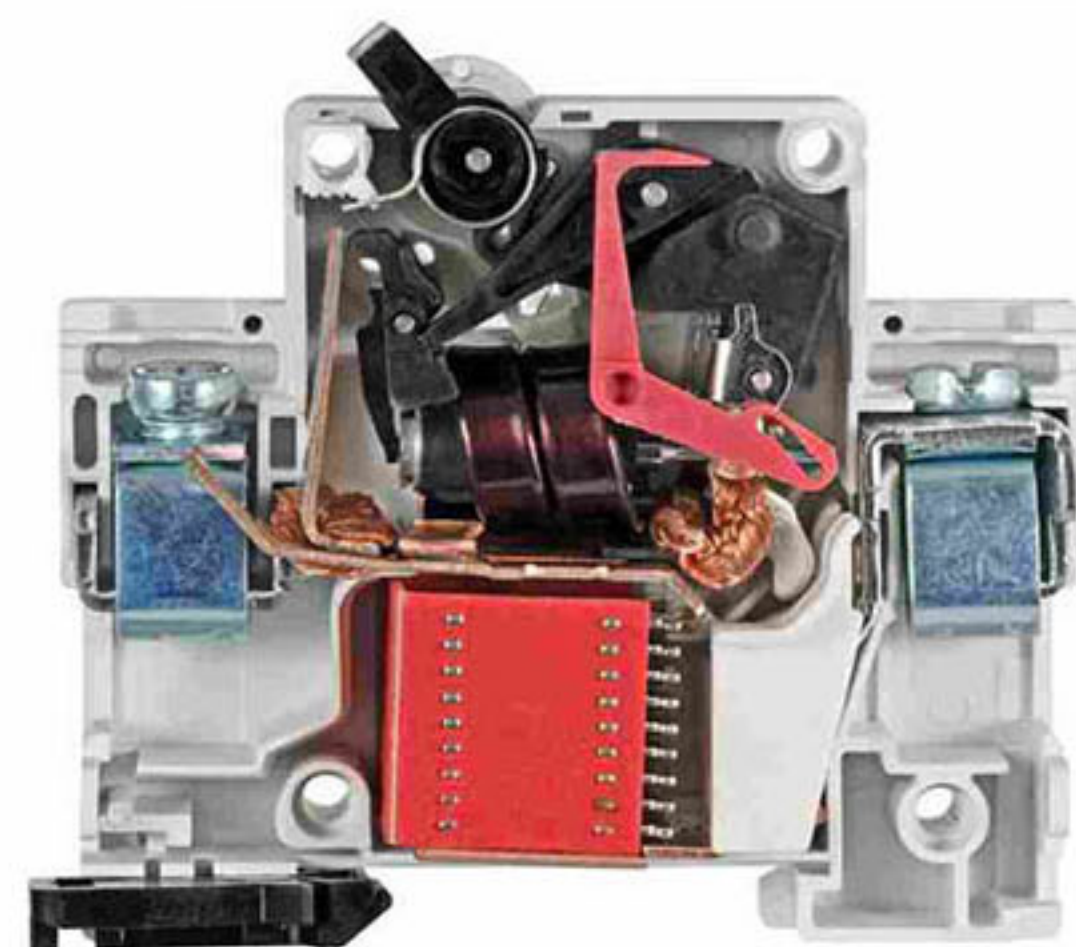


Construction and Feature

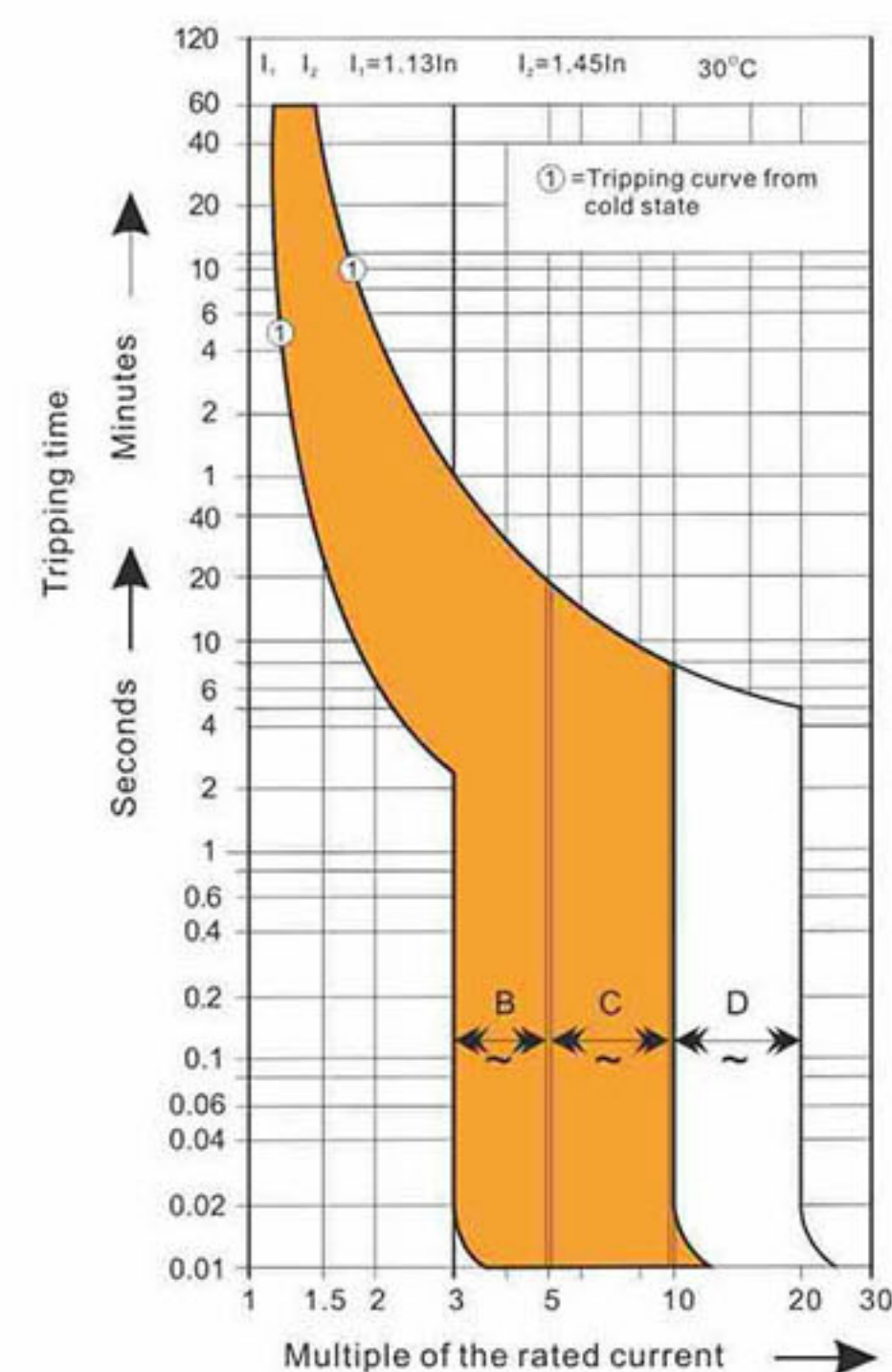
- High short-short capacity 10KA.
- Designed to protect circuit carrying big current up to 125A.
- Contact position indication.
- Used as main switch in household and similar installation.

Technical Data

- Pole No: 1P, 2P, 3P, 4P
- Rated voltage: AC 230V/400V
- Rated Current(A): 63A, 80A, 100A
- Tripping curve: C, D
- Rated short-circuit capacity(I_{cn}): 10000A
- Rated service short-circuit capacity(I_{cs}): 7500A
- Rated frequency: 50/60Hz
- Rated impulse withstand voltage: 6.2kV
- Electro-mechanical endurance: 10000
- Connection capacity:
 - Flexible conductor 50mm²
 - Rigid conductor 50mm²
- Installation:
 - On symmetrical DIN rail 35.5mm
 - Panel mounting



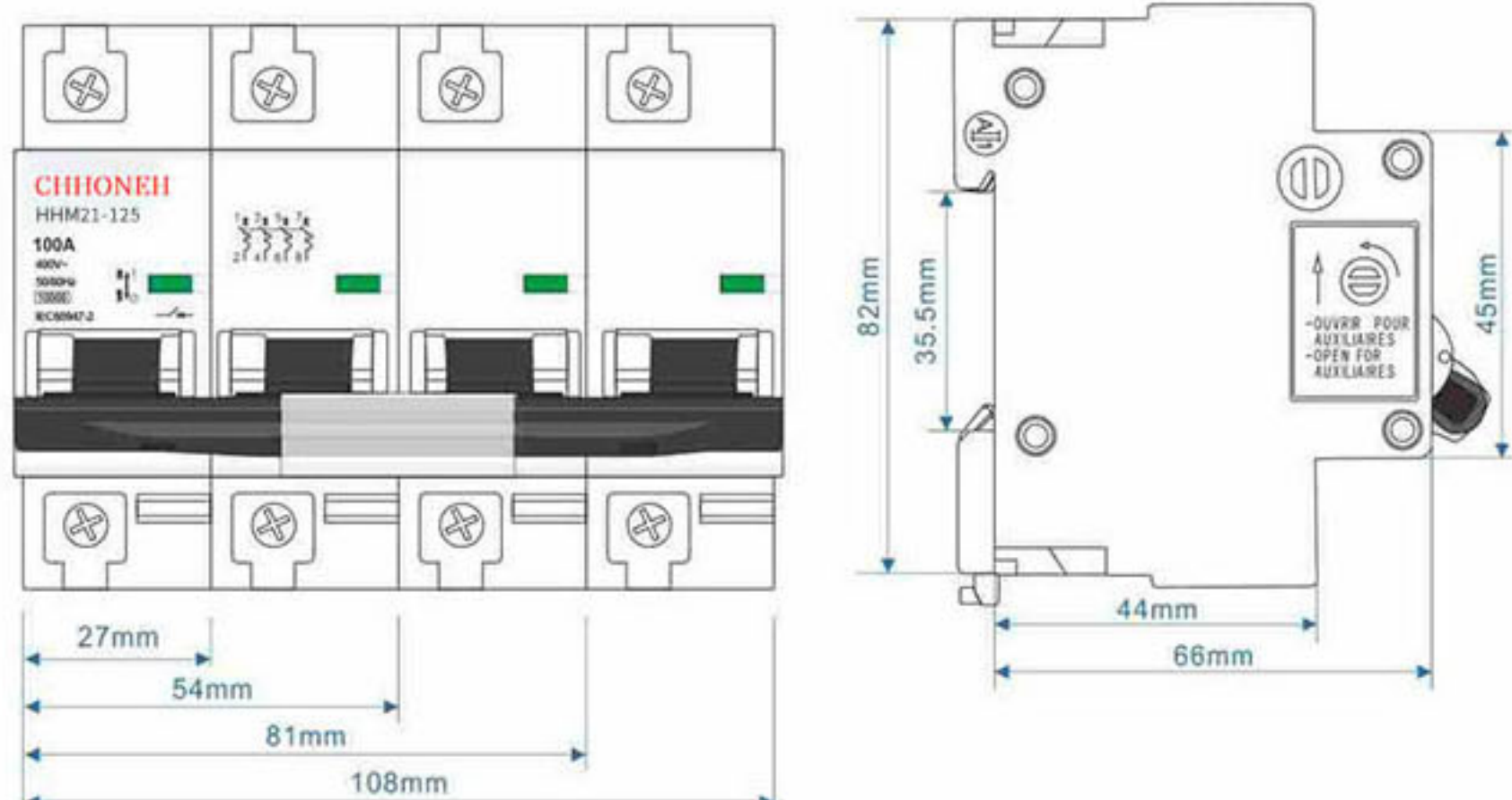
The tripping characteristic curves

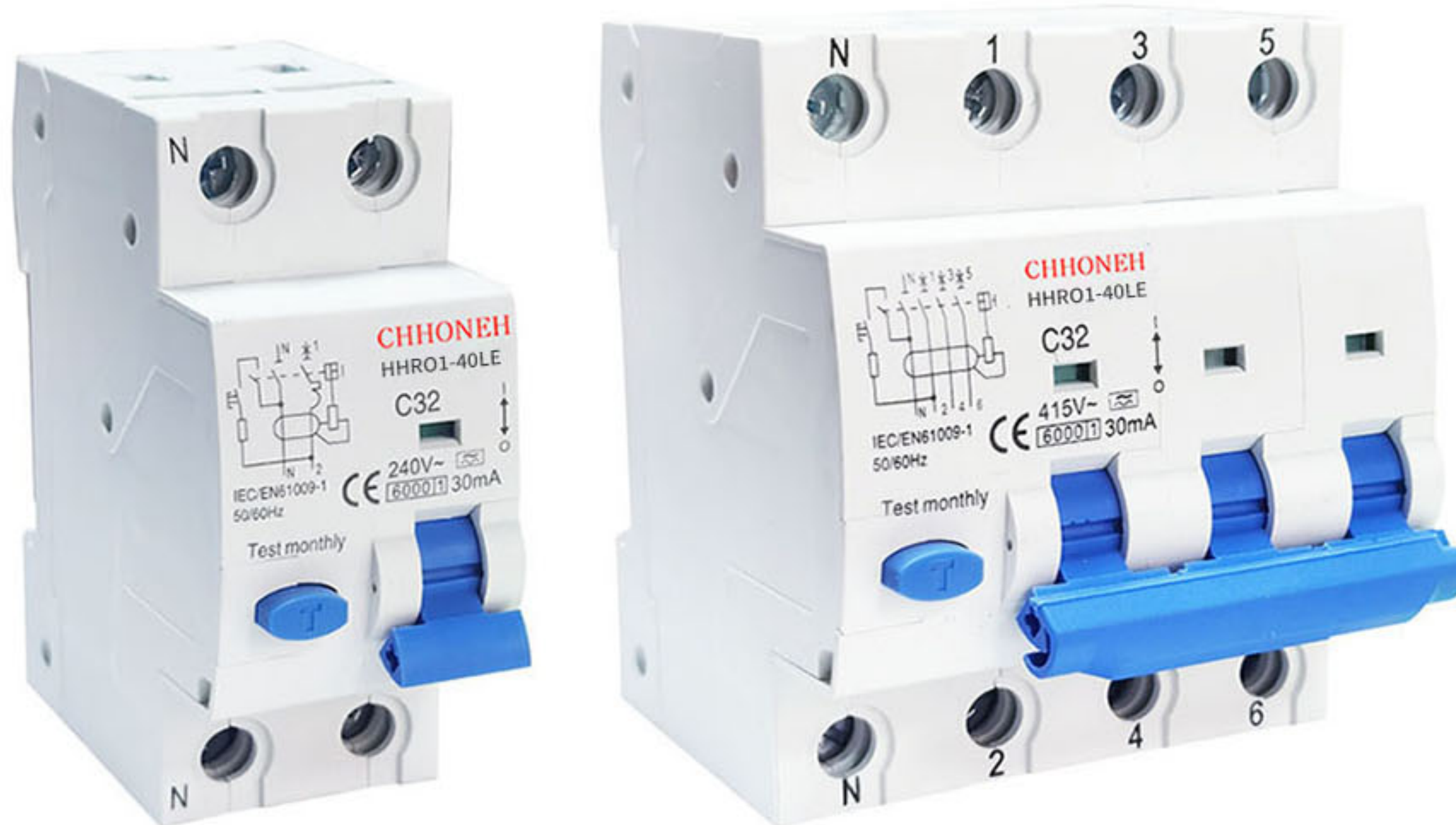


Compliance

- IEC60947-2
- EN60947-2

Overall & Installation Dimensions

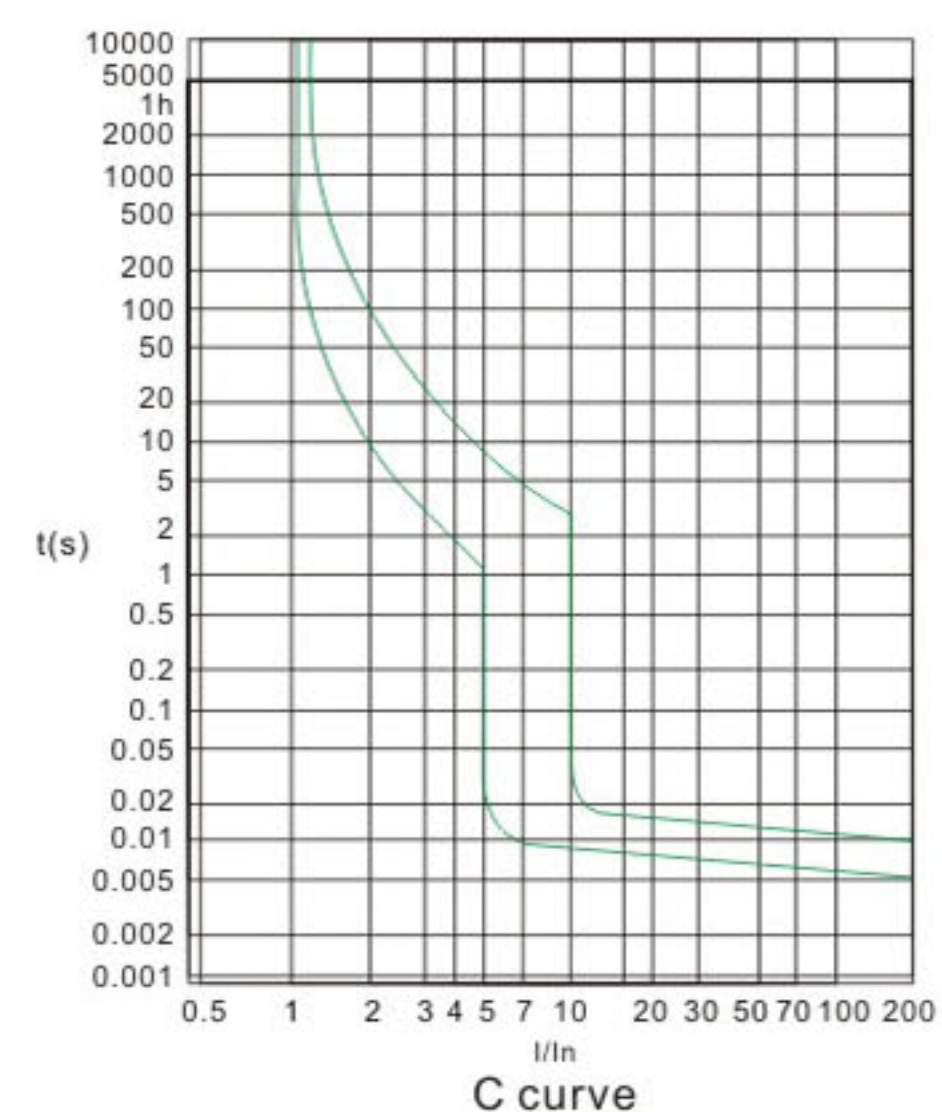
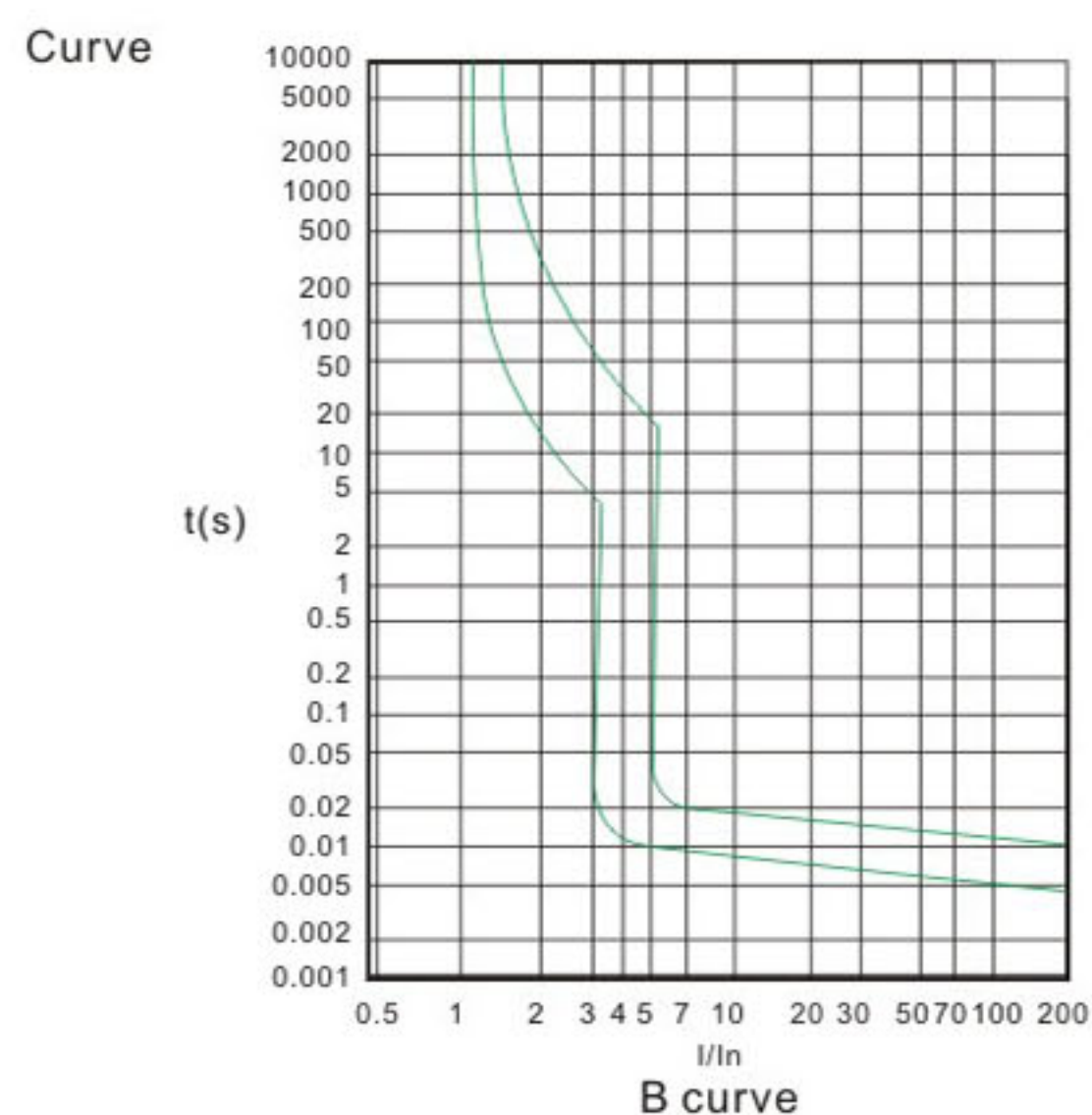




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230/400V, rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildly used in the residential and commercial district. It complies with standard of IEC61009-1.

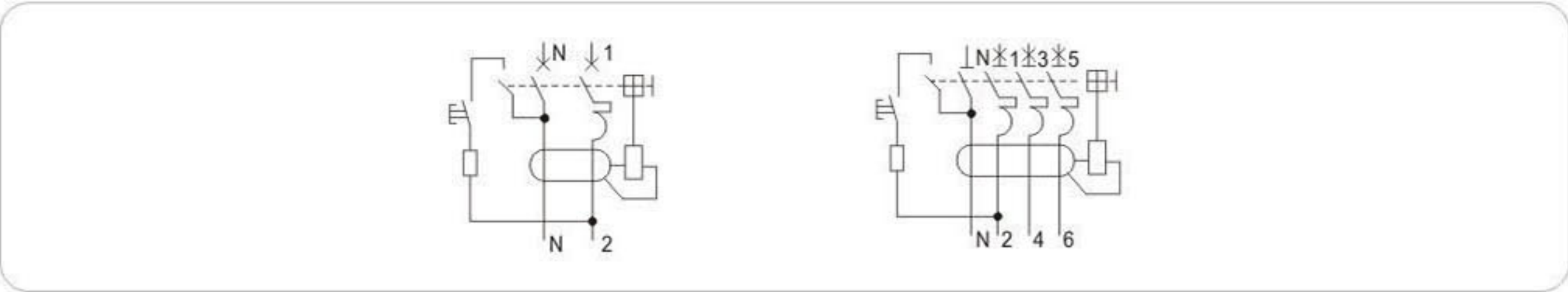
SPECIFICATIONS



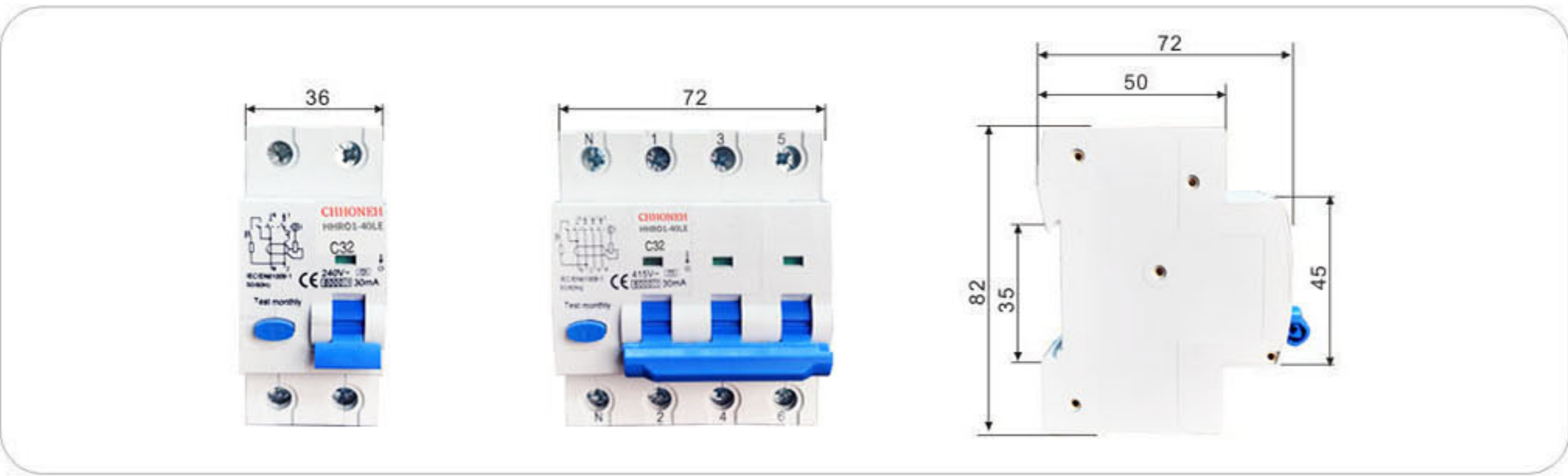
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electro-magnetic type ,electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current I _n	A	6,10,16,20,25,32,40
	Poles	P	1P+N, 3P+N
	Rated voltage U _e	V	AC 230, 400
	Rated sensitivity I Δ n	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity I Δ m	A	500
	Rated short-circuit capacity I _{cn}	A	6000
	Break time under I Δ n	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage U _i	V	250
Mechanical features	Pollution degree		2
	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

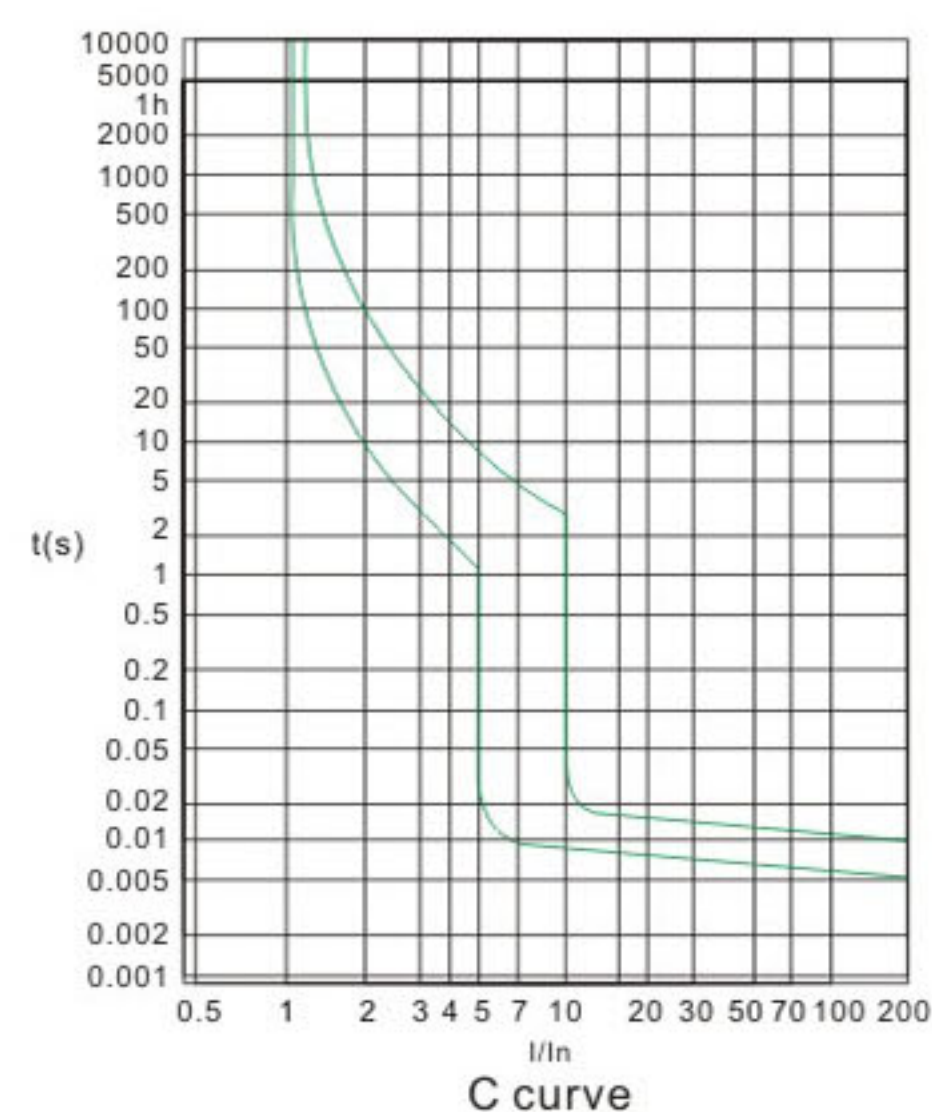
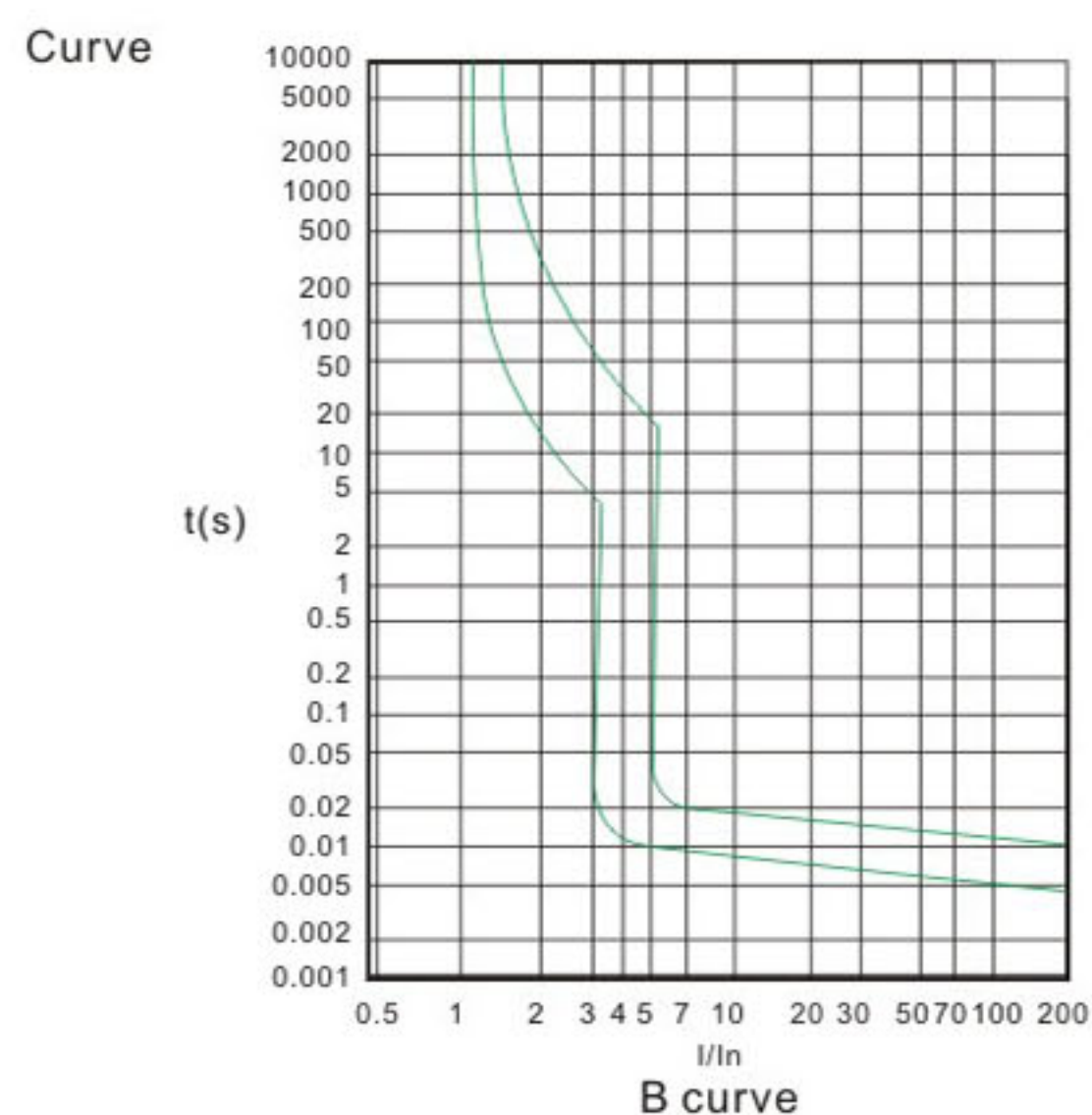




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230/400V, rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildly used in the residential and commercial district. It complies with standard of IEC61009-1.

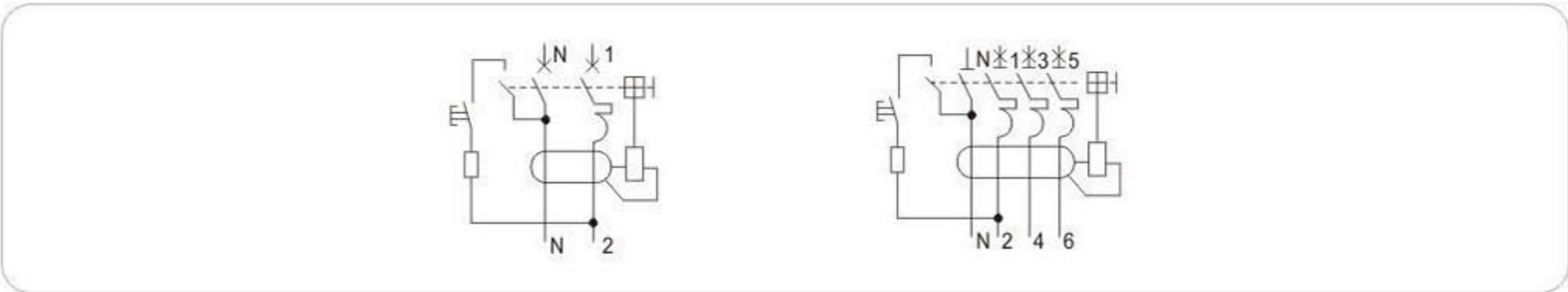
SPECIFICATIONS



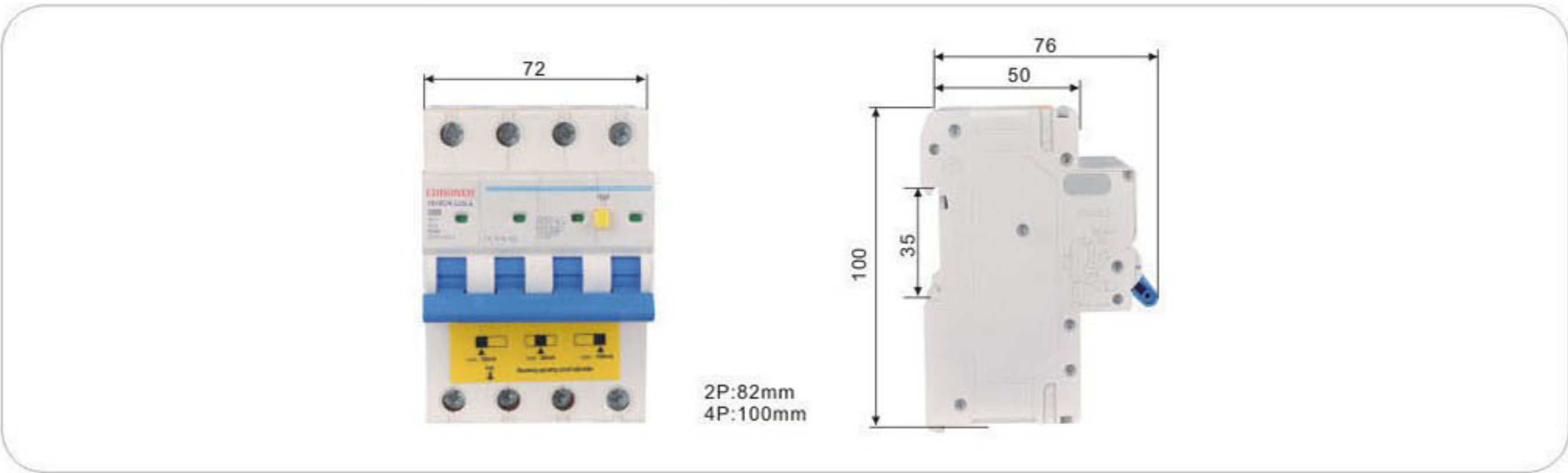
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current I _n	A	6,10,16,20,25,32,40,63
	Poles	P	1P+N, 3P+N
	Rated voltage U _e	V	AC 230, 400
	Rated sensitivity I Δ n	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity I Δ m	A	500
	Rated short-circuit capacity I _{cn}	A	6000
	Break time under I Δ n	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage U _i	V	250
	Pollution degree		2
Mechanical features	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

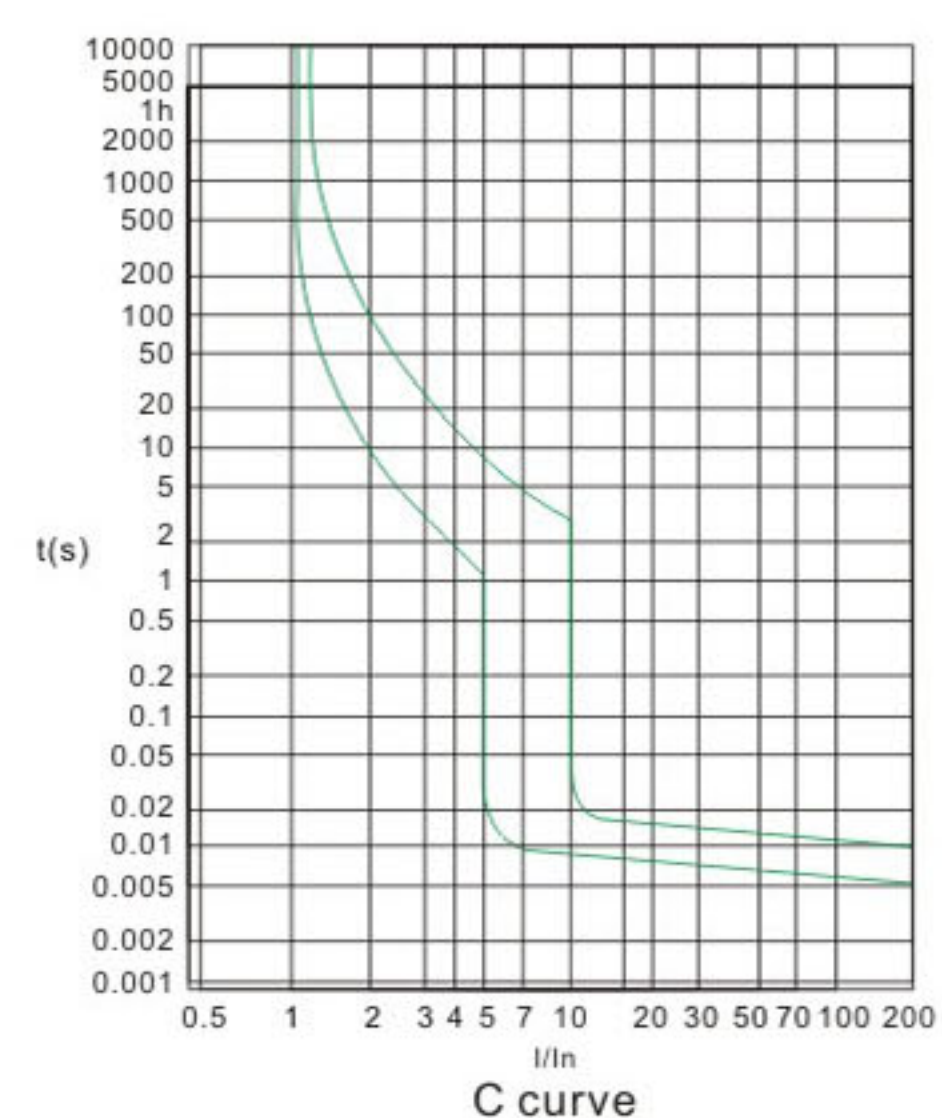
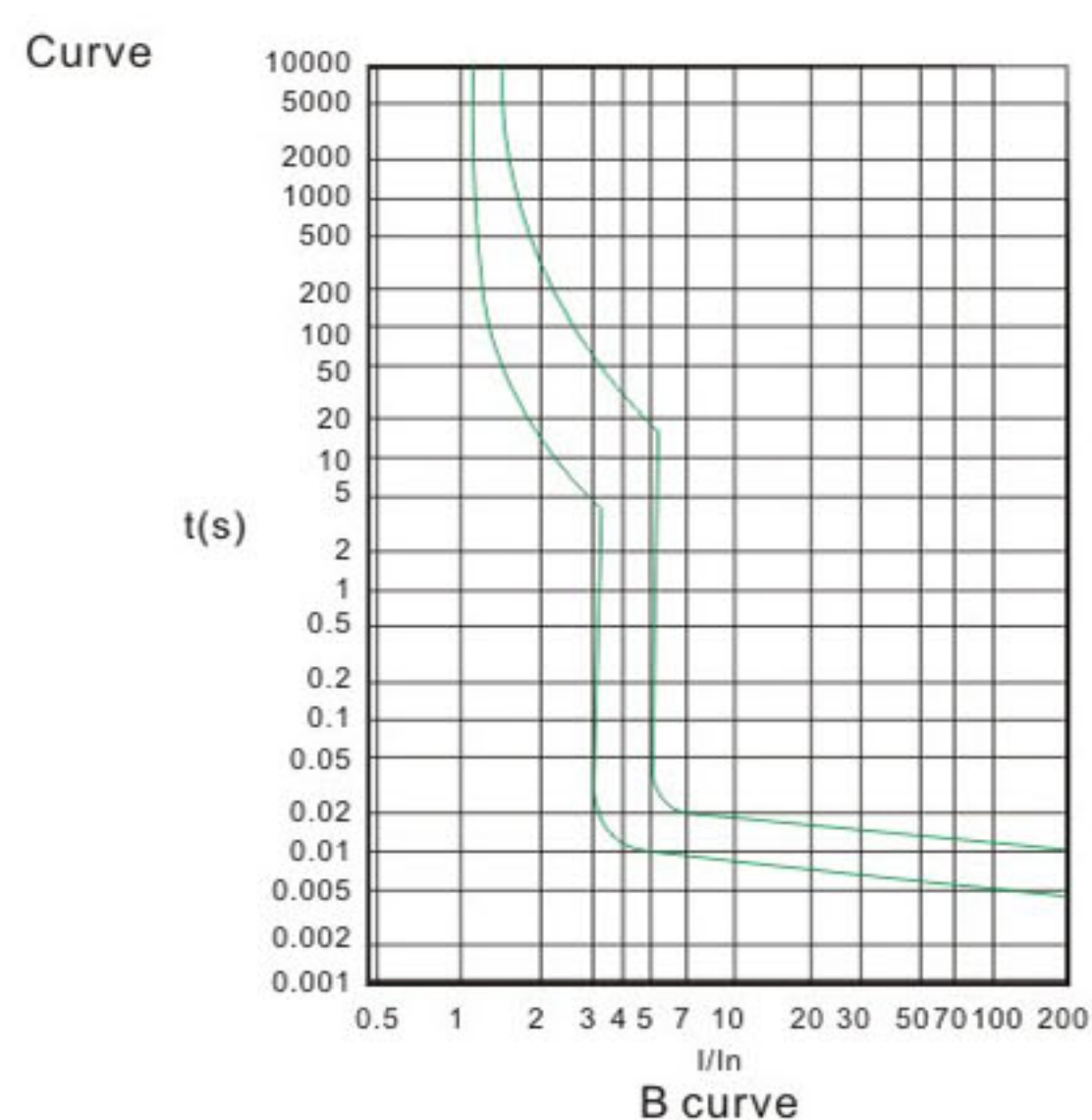




GENERAL

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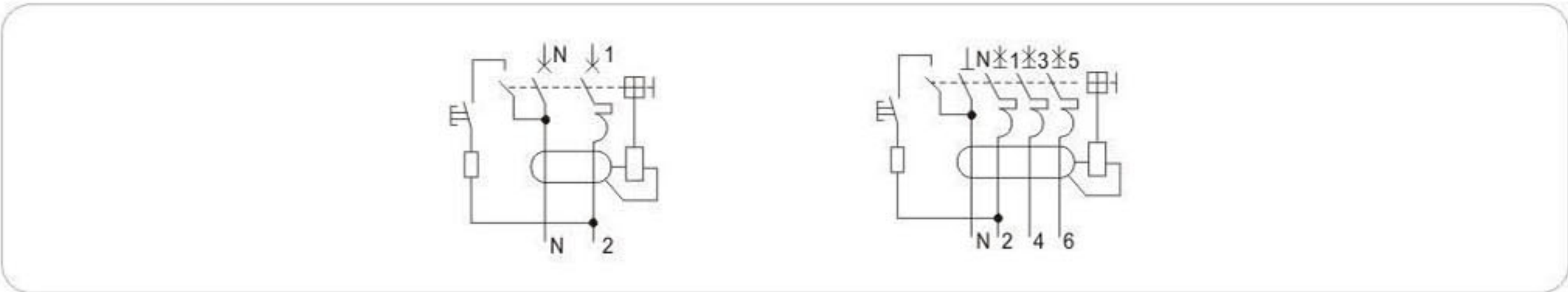
SPECIFICATIONS



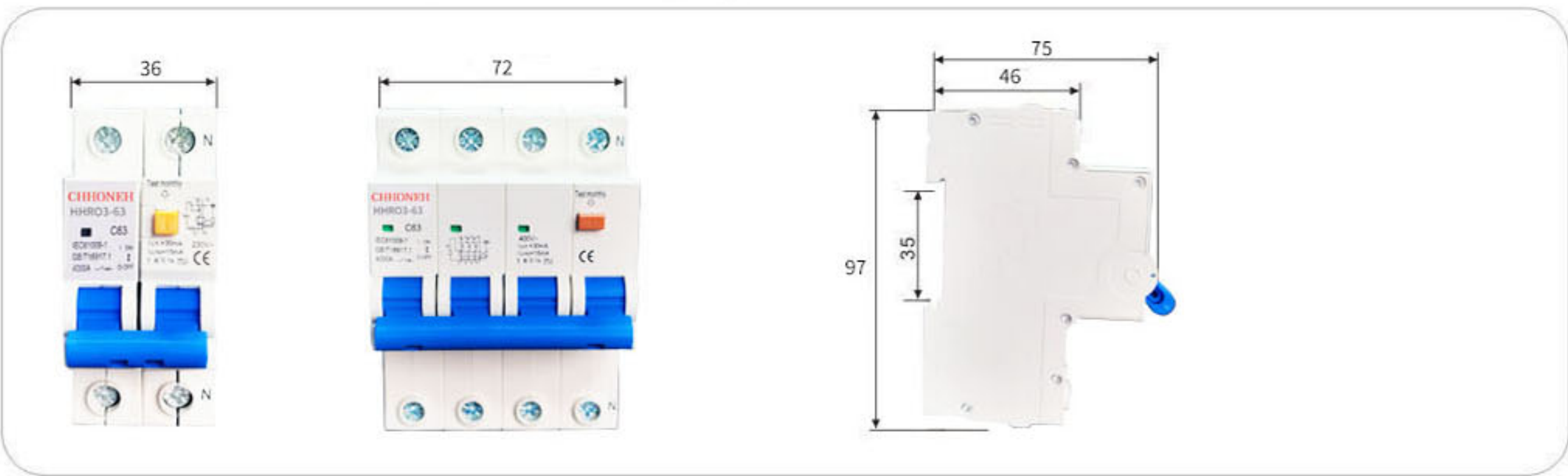
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current I _n	A	6,10,16,20,25,32,40,63
	Poles	P	1P+N, 3P+N
	Rated voltage U _e	V	AC 230, 400
	Rated sensitivity I Δ n	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity I Δ m	A	500
	Rated short-circuit capacity I _{cn}	A	6000
	Break time under I Δ n	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage U _i	V	250
	Pollution degree		2
Mechanical features	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

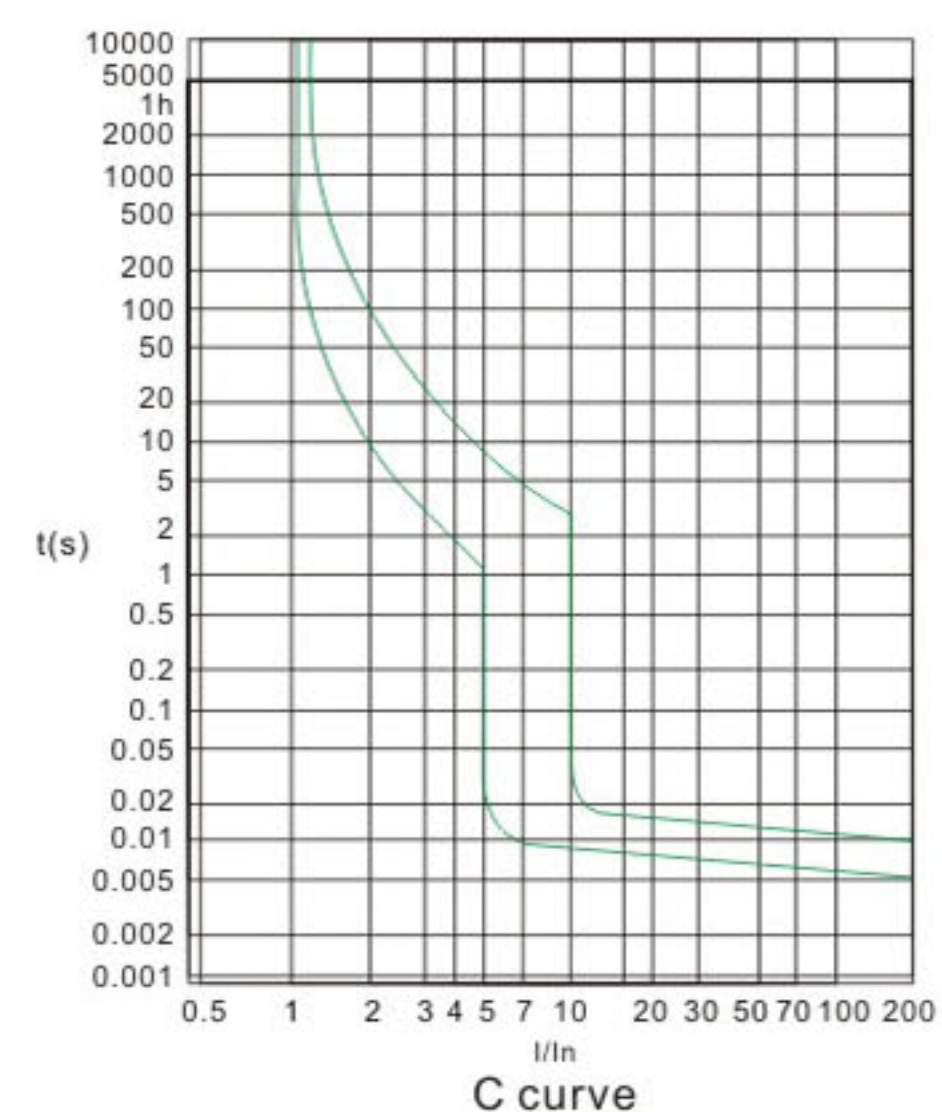
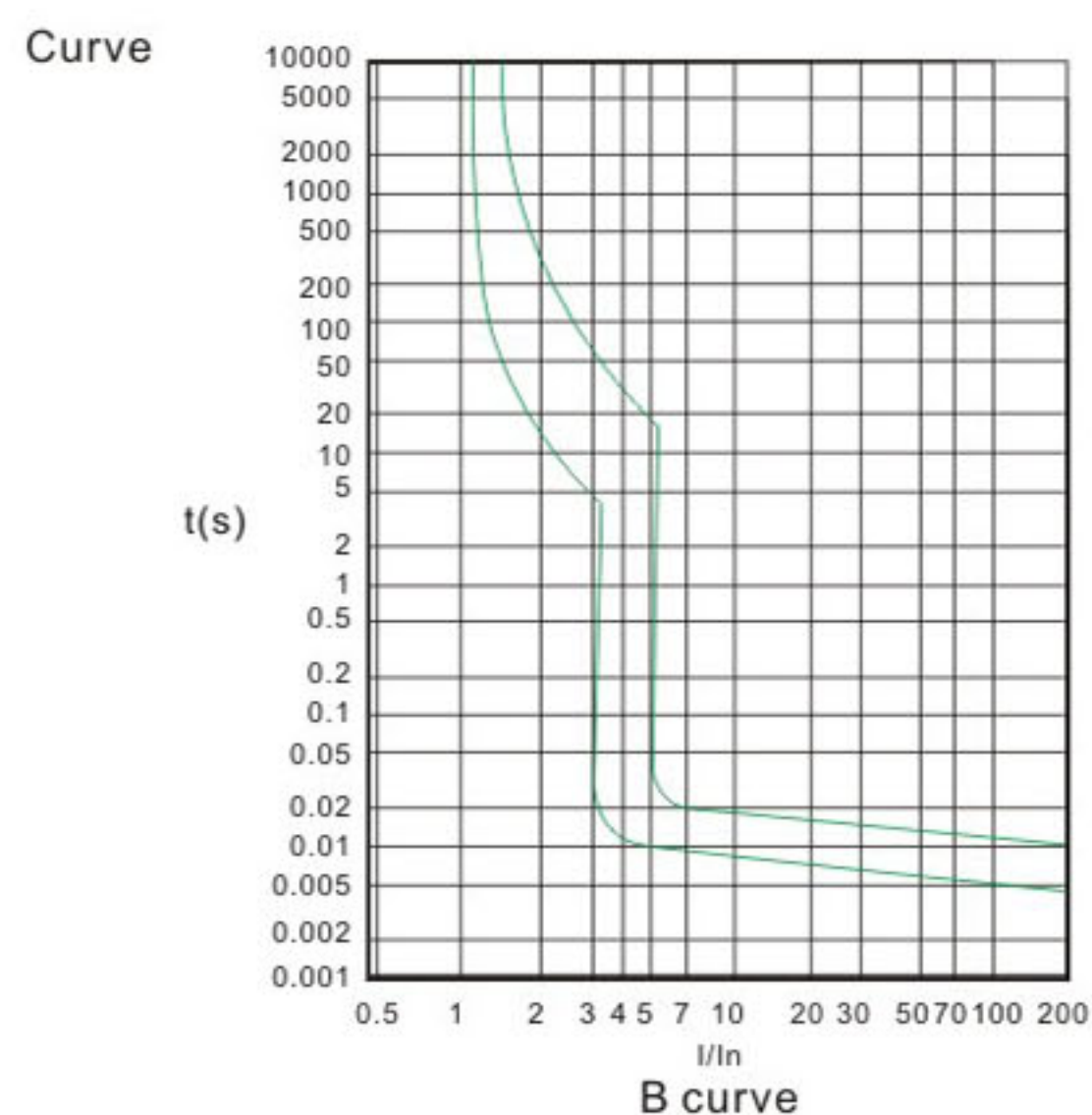




GENERAL

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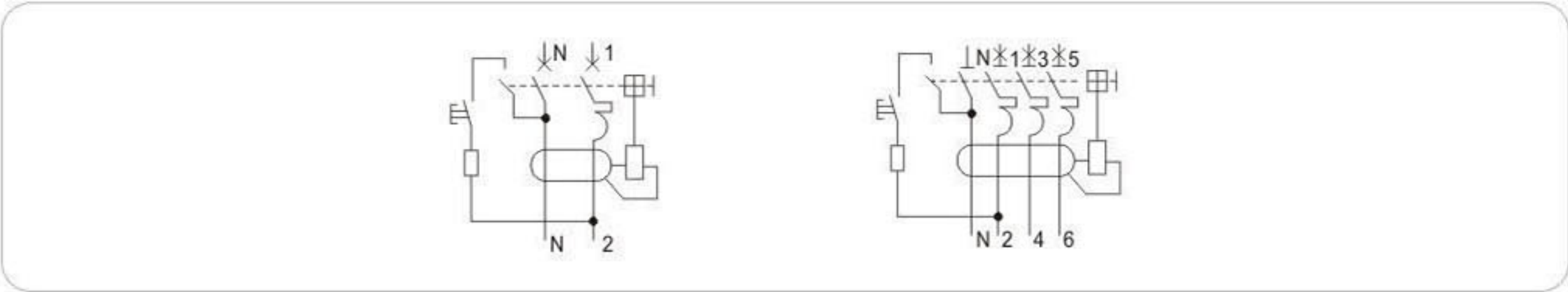
SPECIFICATIONS



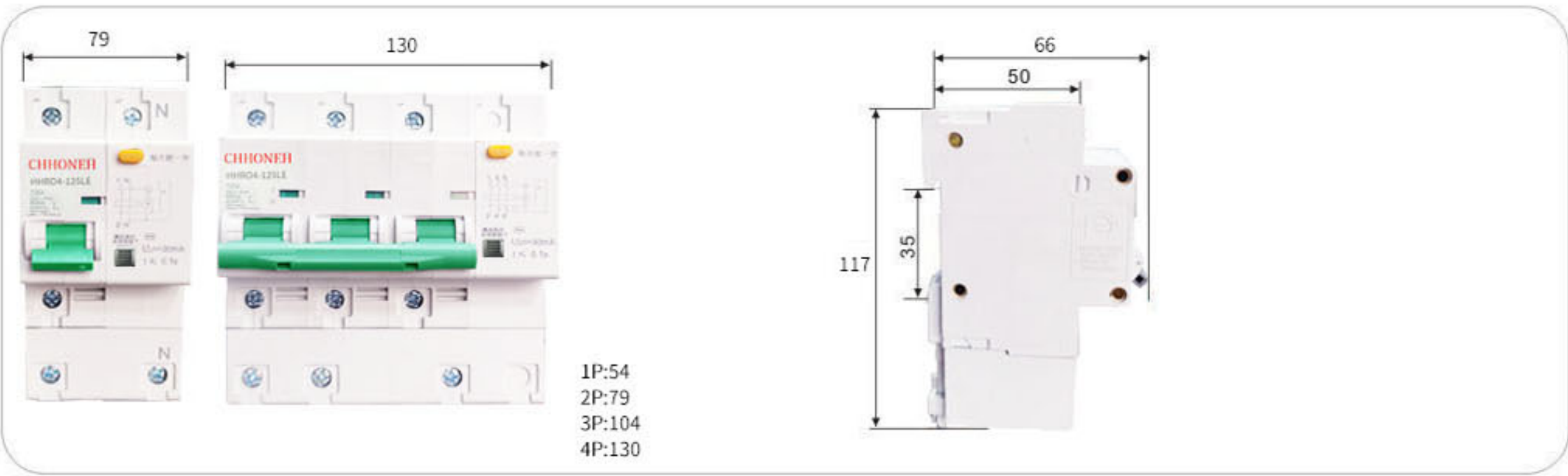
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current I _n	A	6,10,16,20,25,32,40,63
	Poles	P	1P+N, 3P+N
	Rated voltage U _e	V	AC 230, 400
	Rated sensitivity I Δ n	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity I Δ m	A	500
	Rated short-circuit capacity I _{cn}	A	6000
	Break time under I Δ n	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage U _i	V	250
Mechanical features	Pollution degree		2
	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

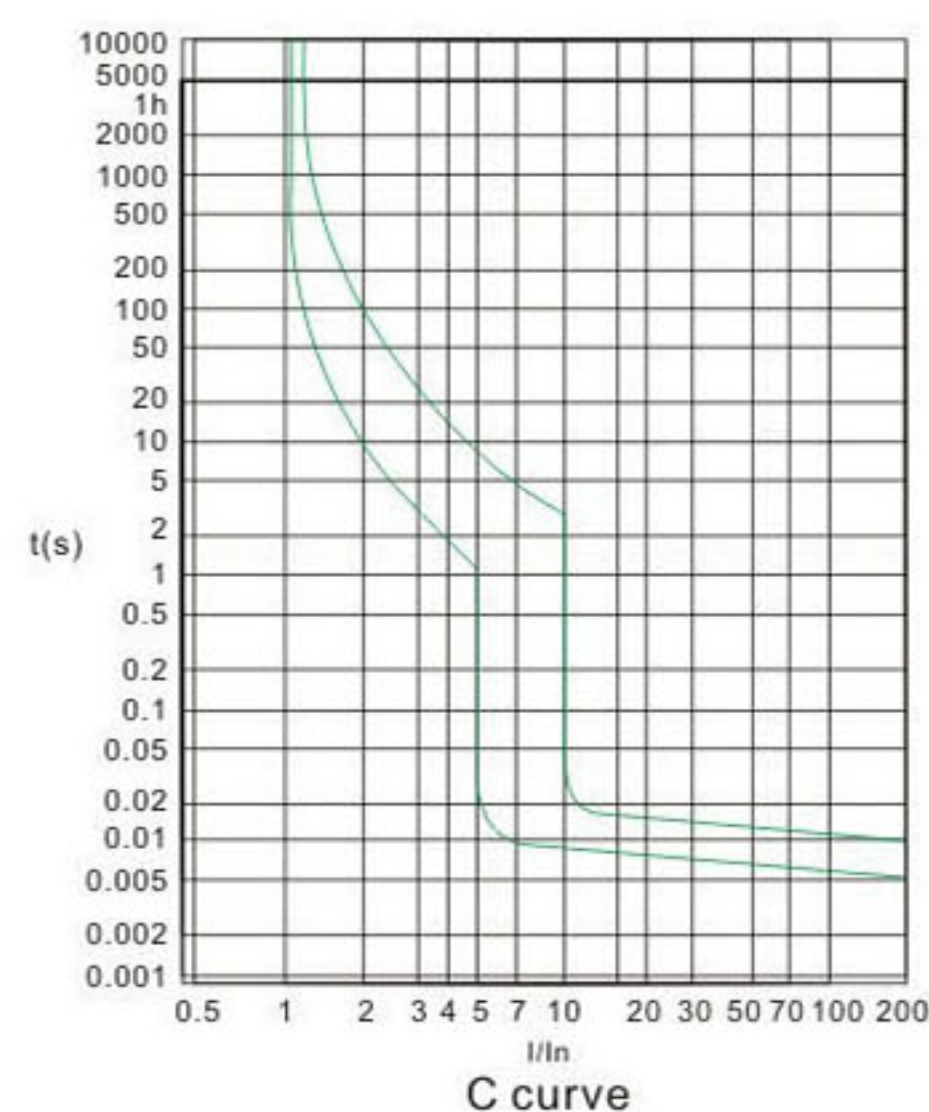
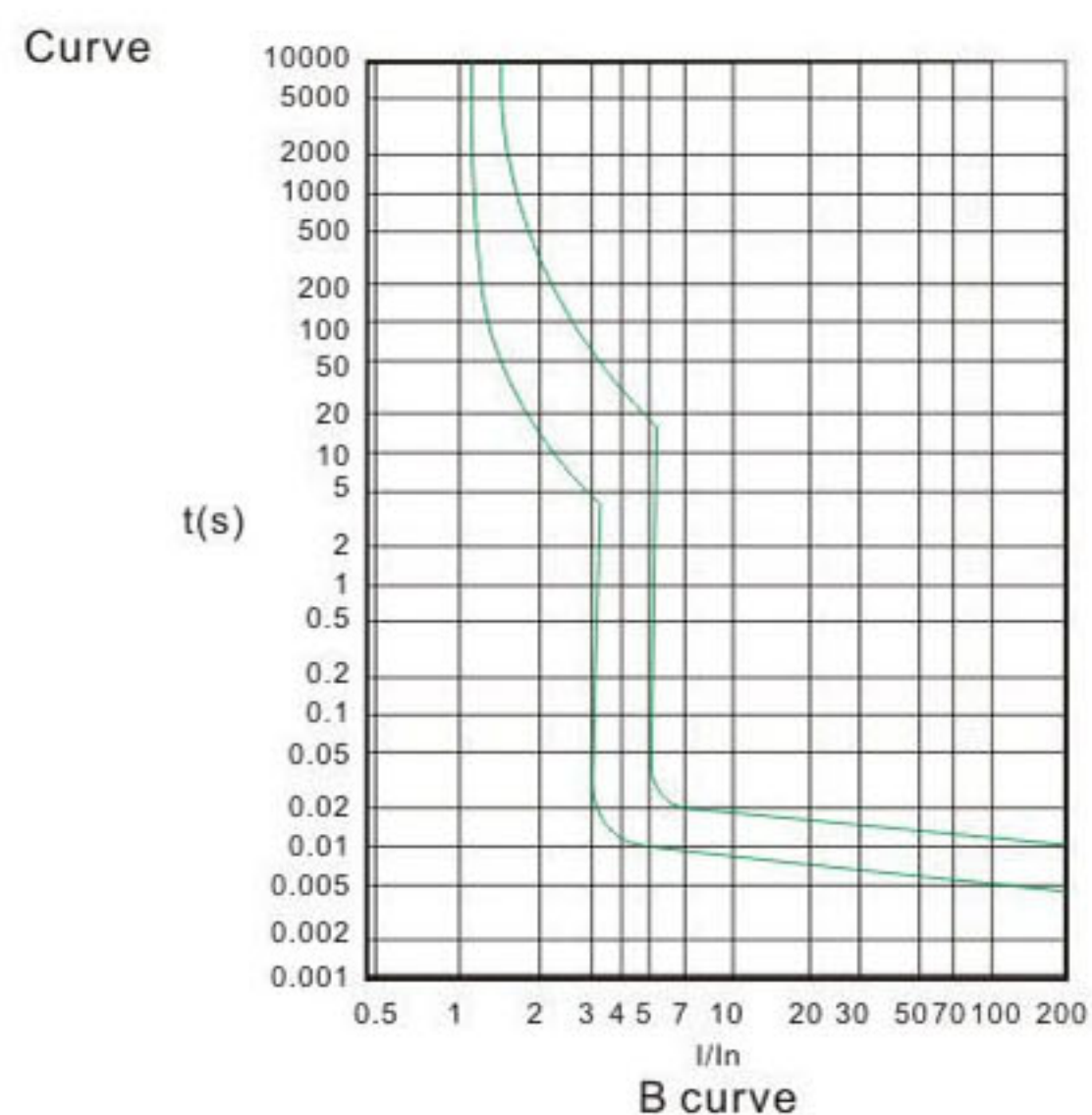




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 110/220V, 120/240V, rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, widely used in the residential and commercial district. It complies with standard of IEC61009-1.

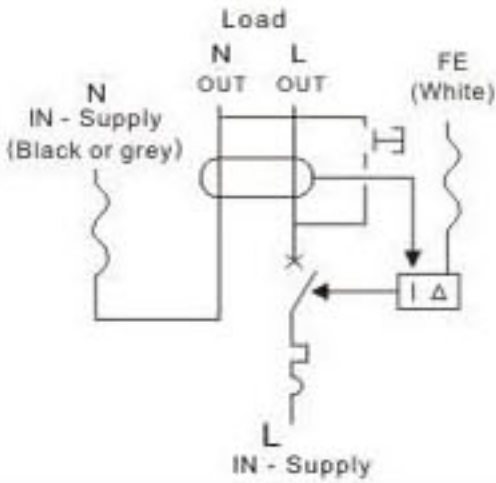
SPECIFICATIONS



SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C
	Rated current I _n	A	6,10,16,20,25,32,40
	Poles	P	1P+N
	Rated voltage U _e	V	110/220, 120/240
	Rated sensitivity I Δ n	A	0.01,0.03,0.1
	Rated residual making and breaking capacity I Δ m	A	500
	Rated short-circuit capacity I _{cn}	A	6000
	Break time under I Δ n	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind. Freq. for 1 min	kV	2
	Insulation voltage U _i		500
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	4000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/U-type busbar/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	16
		AWG	18-5
	Tightening torque	N*m	2
		In-lbs	18
	Connection		From top
	Mounting		Plug-in type

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)



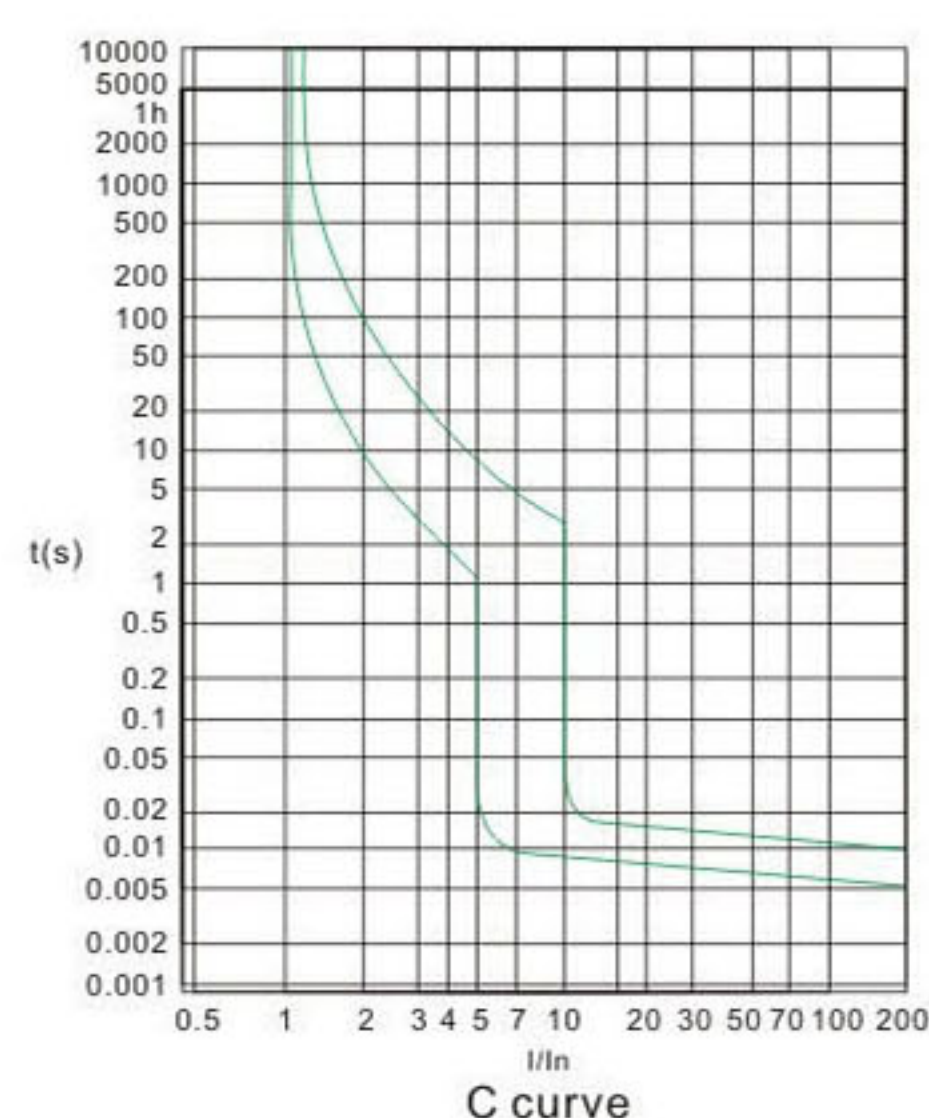
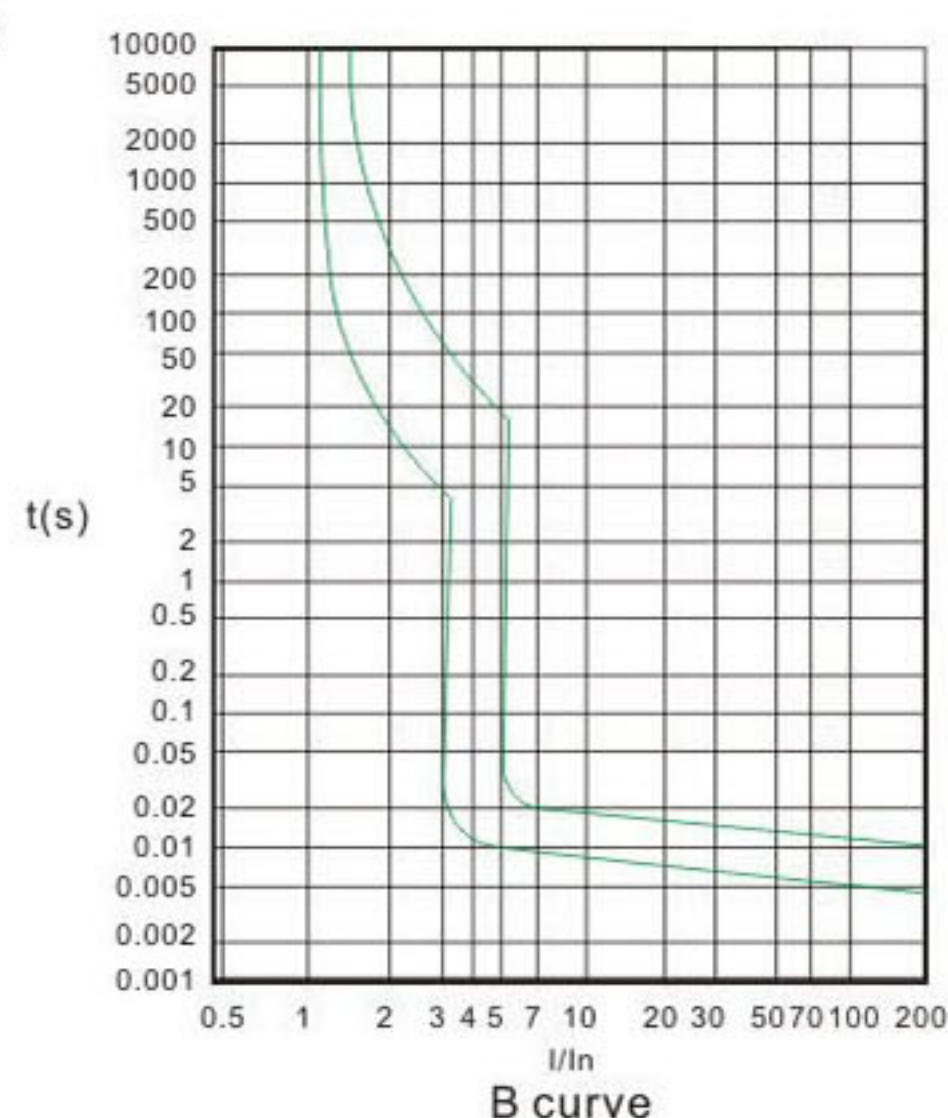


GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildy used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS

Curve



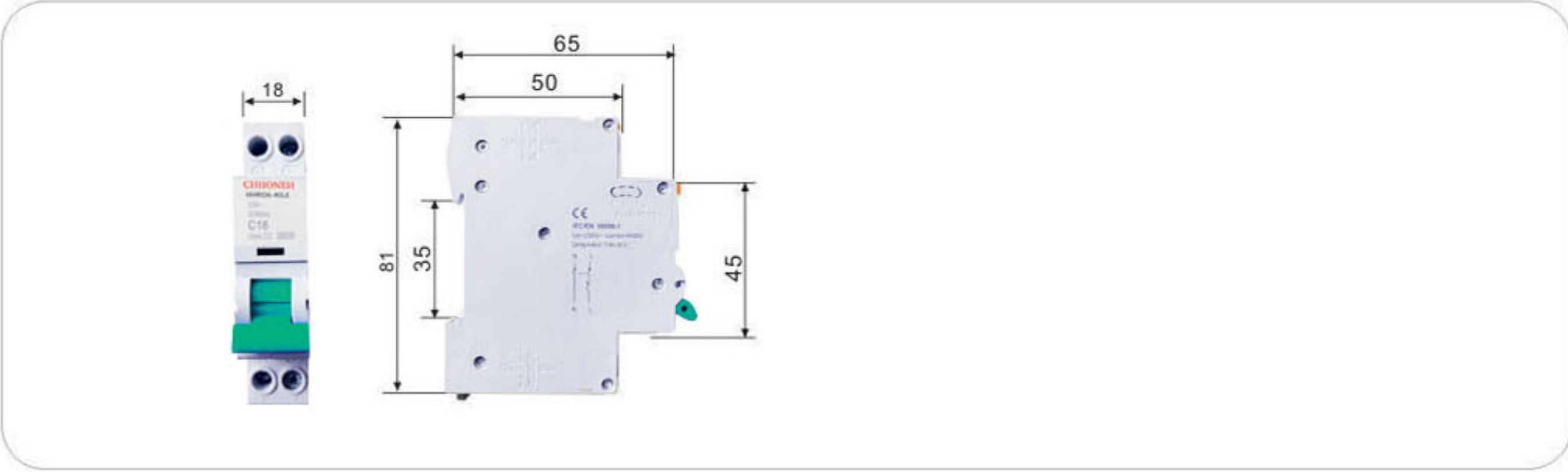
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current In	A	6,10,16,20,25,32,40
	Poles	P	1P+N
	Rated voltage Ue	V	AC 230
	Rated sensitivity IΔn	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity IΔm	A	500
	Rated short-circuit capacity Icn	A	4500, 6000
	Break time under IΔn	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage Ui	V	250
	Pollution degree		2
Mechanical features	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

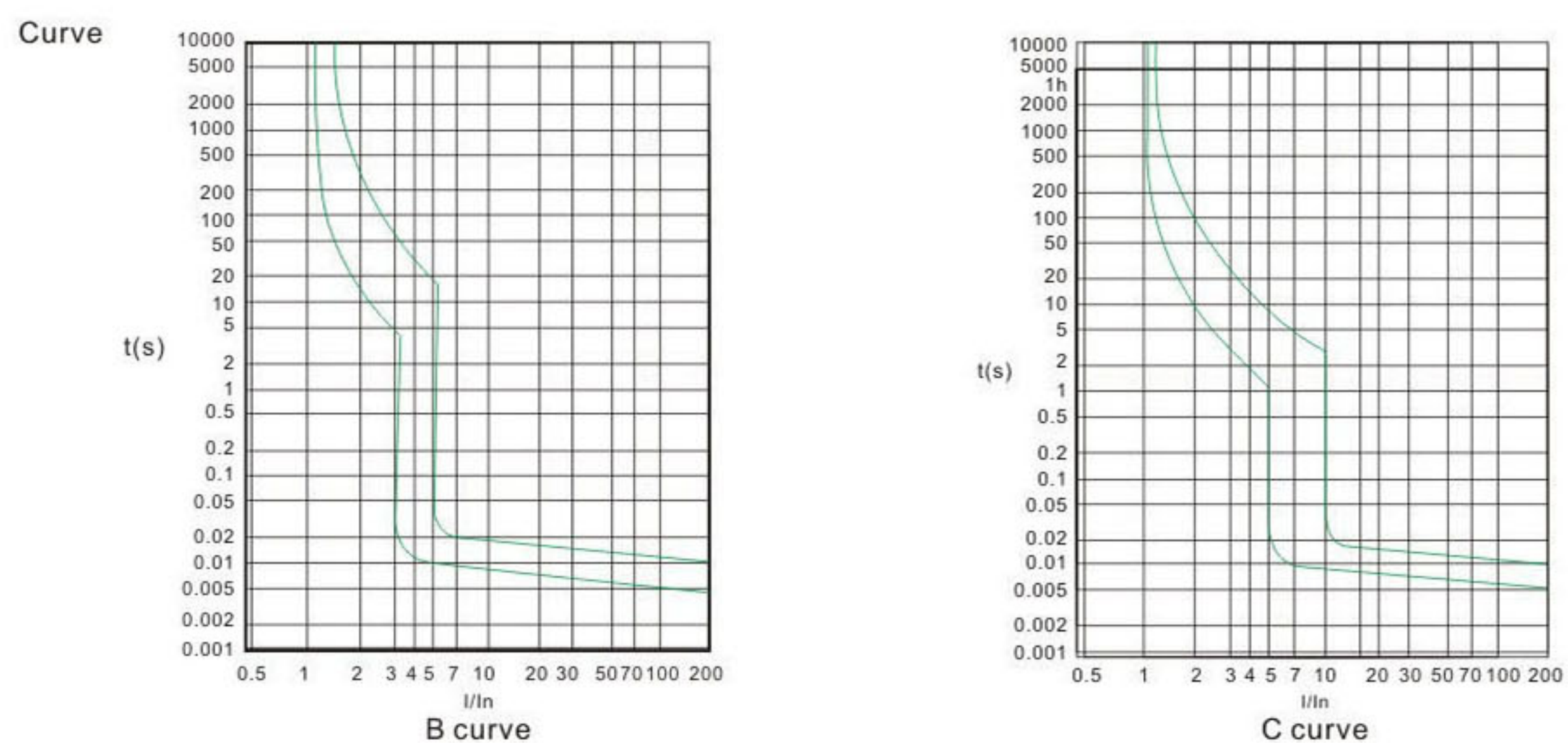




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildy used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



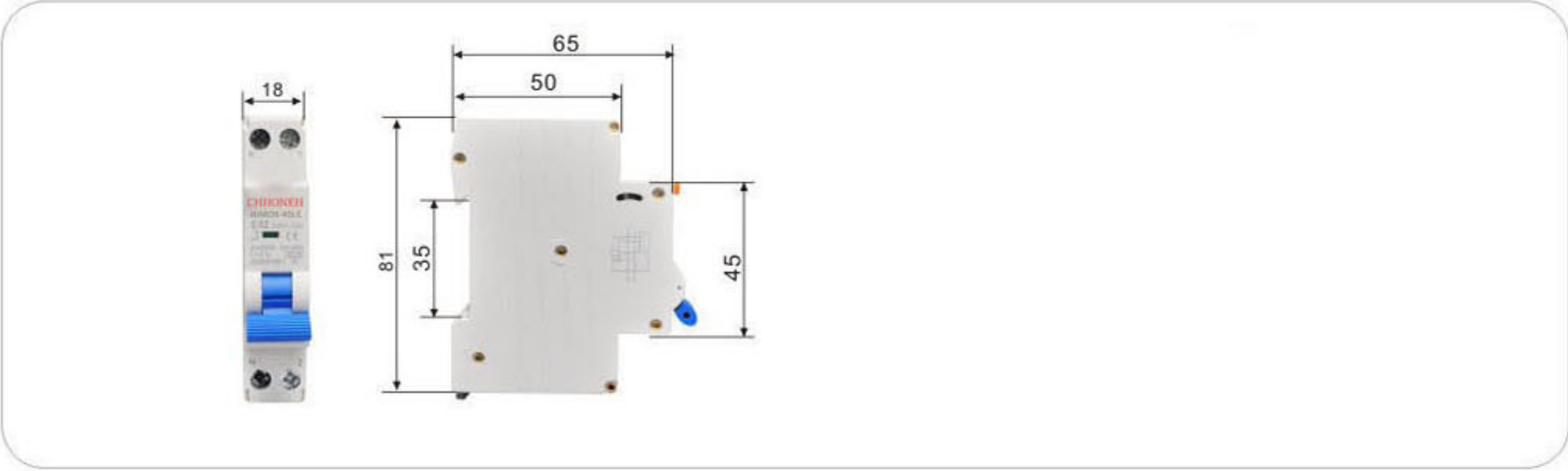
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current In	A	6,10,16,20,25,32,40
	Poles	P	1P+N
	Rated voltage Ue	V	AC 230
	Rated sensitivity IΔn	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity IΔm	A	500
	Rated short-circuit capacity Icn	A	4500, 6000
	Break time under IΔn	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage Ui	V	250
	Pollution degree		2
Mechanical features	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

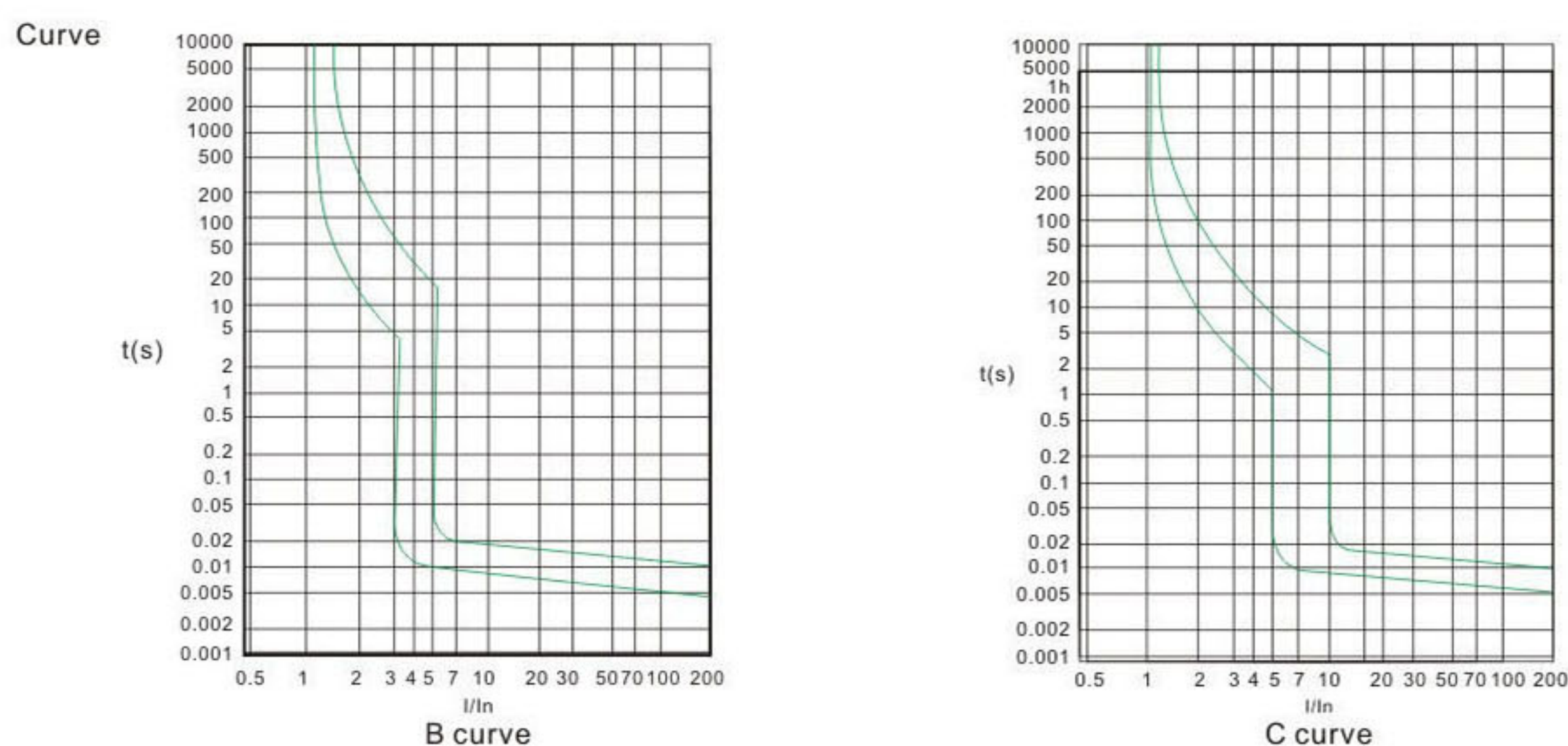




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildy used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



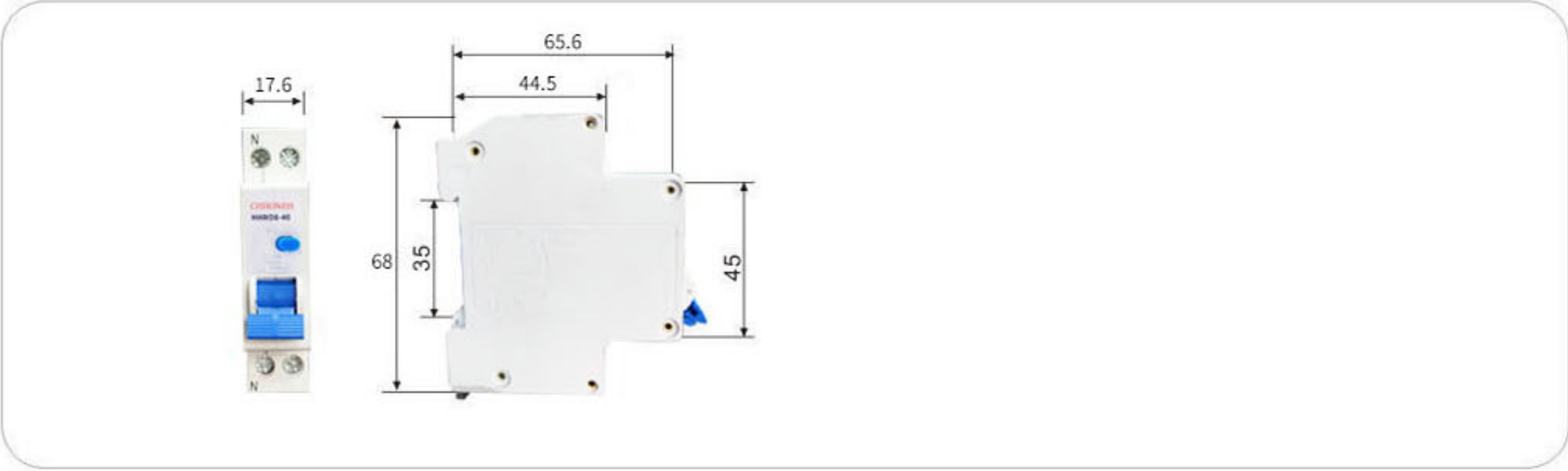
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current In	A	6,10,16,20,25,32,40
	Poles	P	1P+N
	Rated voltage Ue	V	AC 230
	Rated sensitivity I Δ n	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity I Δ m	A	500
	Rated short-circuit capacity Icn	A	4500, 6000
	Break time under I Δ n	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage Ui	V	250
	Pollution degree		2
Mechanical features	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average $\leq 35^{\circ}\text{C}$)	$^{\circ}\text{C}$	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	$^{\circ}\text{C}$	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM

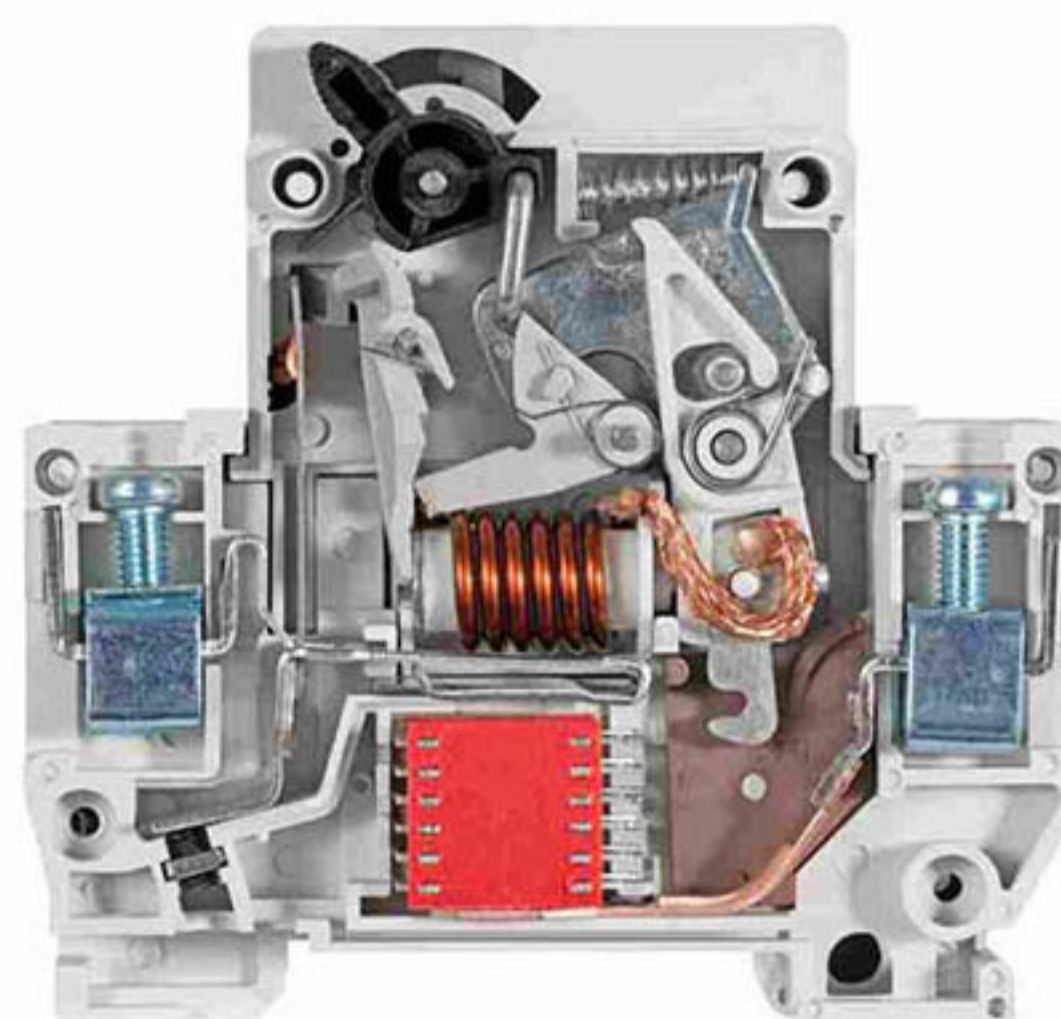


OVERALL AND MOUNTING DIMENSIONS(MM)



Technical Data

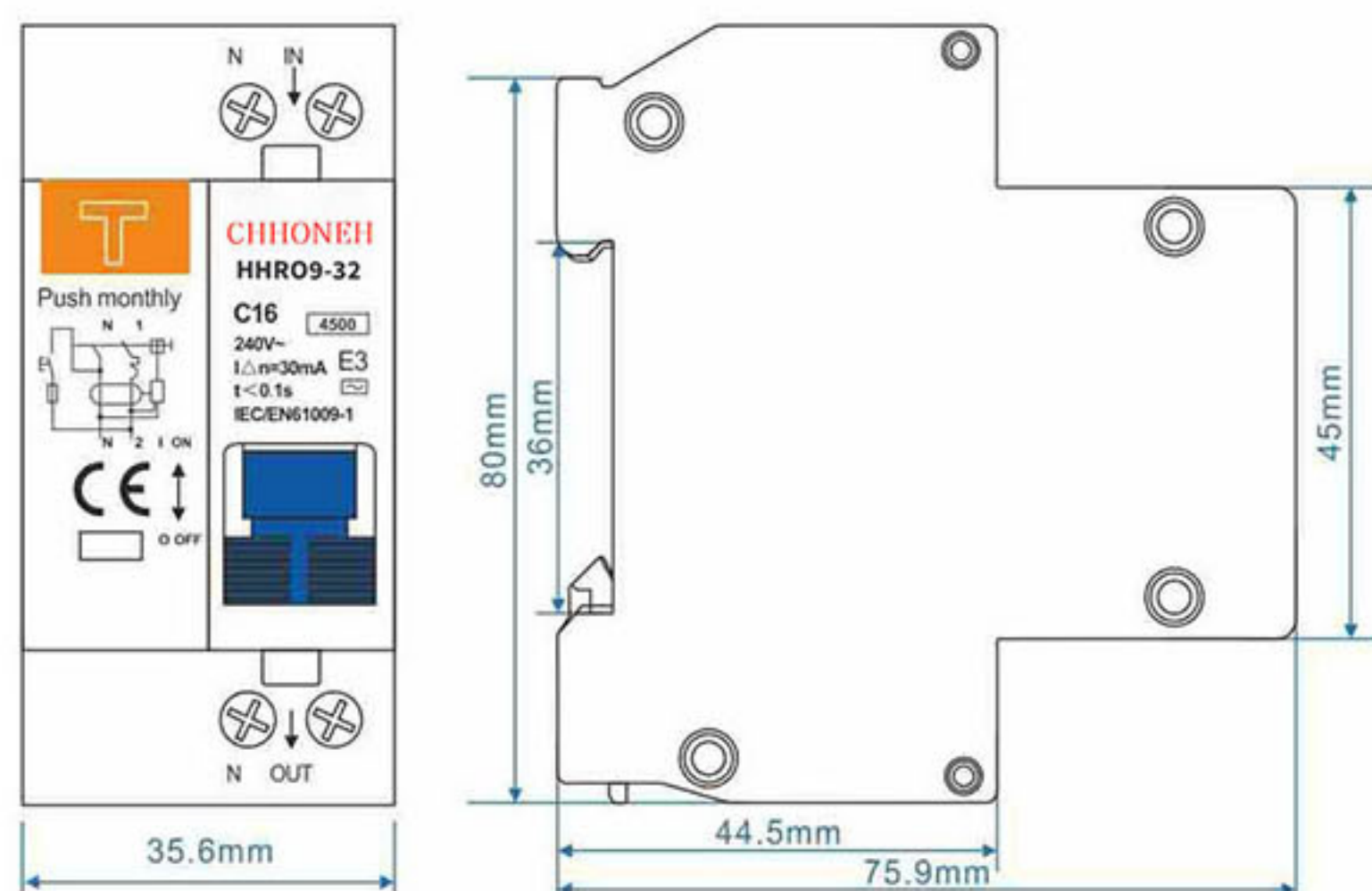
- Type: Electronic type
- Residual current characteristics: AC
- Pole No.: 1P+N
- Tripping curve: B, C, D
- Rated short-circuit capacity: 4.5kA
- Rated current (A): 6A, 10A, 16A, 20A, 25A, 32A
- Rated voltage: 240V AC
- Rated frequency: 50/60Hz
- Rated residual operating current(mA): 0.03, 0.1, 0.3
- Tripping duration: instantaneous $\leq 0.1s$
- Electro-mechanical endurance: 4000 cycles
- Connection terminal: pillar terminal with clamp
- Terminal Connection Height: H1=16mm H2=21mm
- Over-voltage tripping: 280V $\pm 5\%$
- S2 Shunt Tripper
- U2+O2 Over-voltage and under-voltage tripper
- Connection capacity:
 - Flexible conductor 10mm²
 - Rigid conductor 16mm²
- Installation:
 - On symmetrical DIN rail 35.5mm
 - Panel mounting



Compliance

- IEC61009-1
- EN61009-1

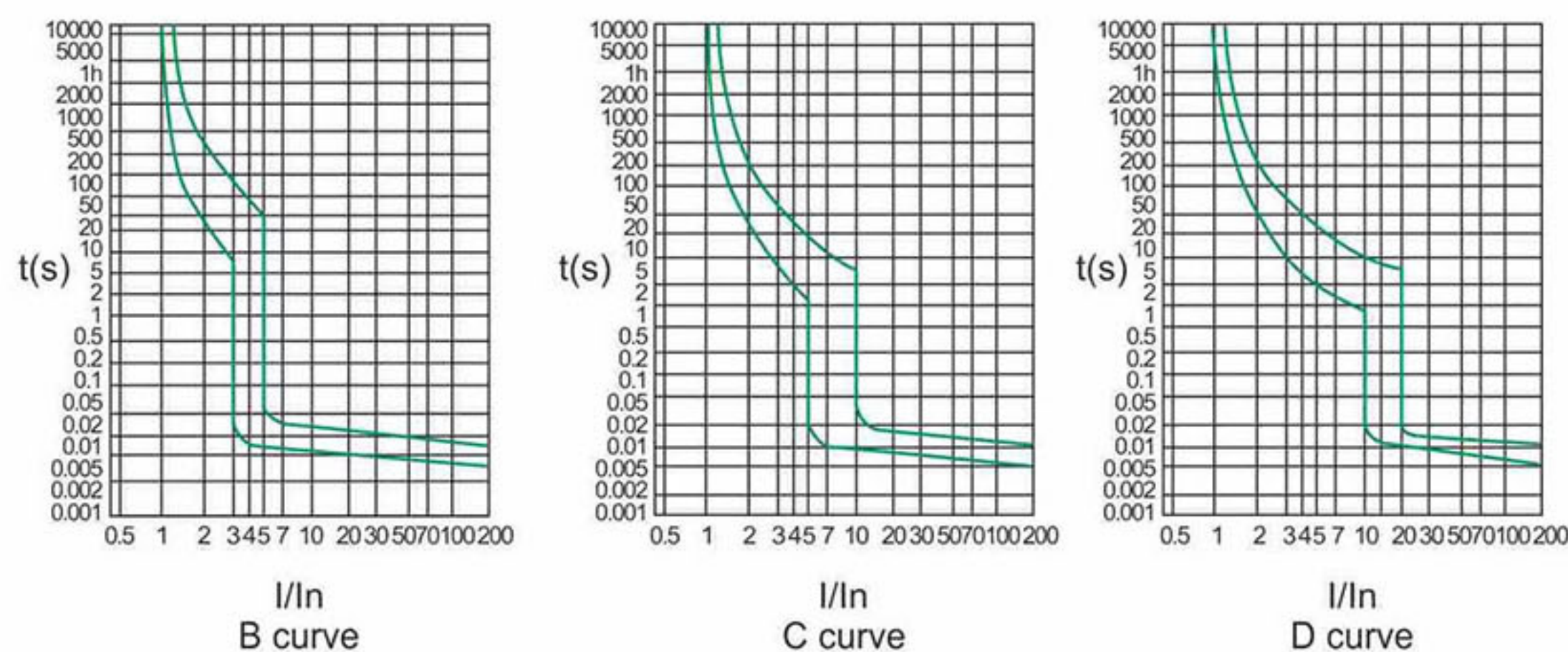
Overall & Installation Dimensions



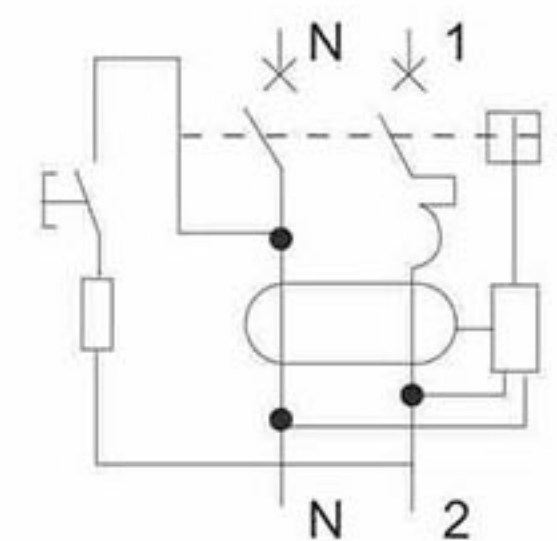
Construction and Feature

- Provides protection against earth fault/leakage current, short-circuit, overload, and function of isolation.
- Contact position indication
- Provides protection against indirect contact by human body
- Provides complementary protection against direct contact by human body.
- Effectively protects electric equipment against insulating failure
- Equipped with switched neutral and phase pole
- Provides protection against over-voltage
- Provides comprehensive protection to household and commercial distribution systems.

Characteristic Curve



Wiring Diagram



Overload Current Protection Characteristics

Test procedure	Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
a	B,C,D	$1.13I_n$	cold	$t \leq 1h$	no tripping	
b	B,C,D	$1.45I_n$	after test a	$t < 1h$	tripping	Current in the 5s in th increase of stability
c	B,C,D	$2.55I_n$	cold	$1s < t < 60s (I_n \leq 32A)$ $1s < t < 120s (32 < I_n \leq 63A)$	tripping	
d	B	$3I_n$	cold	$t \leq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	$5I_n$				
	D	$10I_n$				
e	B	$5I_n$	cold	$t < 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	$10I_n$				
	D	$20I_n$				

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

Residual Current Action Breaking Time

type	I_n/A	$I_{\Delta n}/A$	Residual Current (I_{Δ}) Is Corresponding To The Following Breaking Time (S)					$I_{\Delta}t$	
			$I_{\Delta n}$	$2 I_{\Delta n}$	$5 I_{\Delta n}$	5A,10A,20A,50A,100A,200A,500A			
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 $I_{\Delta n}$ is 0.03mA or less can use 0.25A instead of $5I_{\Delta n}$.

A Type Of Trip Current Range

Lagangle(A)	A Tripping Current(A)	
	Lower Limit	Upper Limit
0°	$0.35 I_{\Delta n}$	$0.14 I_{\Delta n}$
90°	$0.25 I_{\Delta n}$	
135°	$0.11 I_{\Delta n}$	

Technical Data

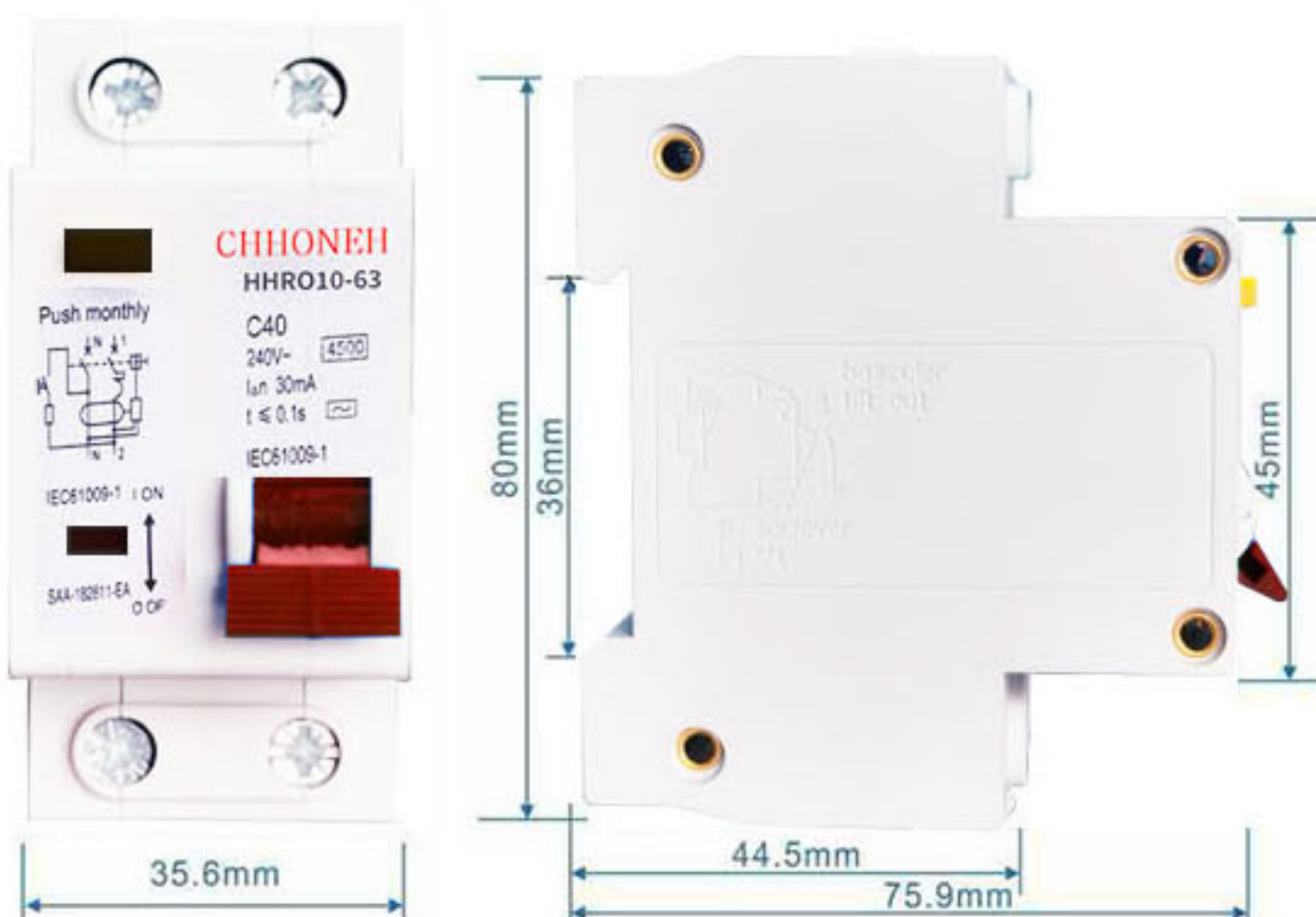
- Type: Electronic type
- Residual current characteristics: AC
- Pole No.: 1P+N
- Tripping curve: B, C, D
- Rated short-circuit capacity: 4.5kA
- Rated current (A): 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
- Rated voltage: 240V AC
- Rated frequency: 50/60Hz
- Rated residual operating current(mA): 0.03, 0.1, 0.3
- Tripping duration: instantaneous $\leq 0.1s$
- Electro-mechanical endurance: 4000 cycles
- Connection terminal: pillar terminal with clamp
- Terminal Connection Height: H1=16mm H2=21mm
- Over-voltage tripping: $280V \pm 5\%$
- S2 Shunt Tripper
- U2+O2 Over-voltage and under-voltage tripper
- Connection capacity:
 - ☐ Flexible conductor $10mm^2$
 - ☐ Rigid conductor $16mm^2$
- Installation:
 - ☐ On symmetrical DIN rail 35.5mm
 - ☐ Panel mounting



Compliance

- IEC61009-1
- EN61009-1

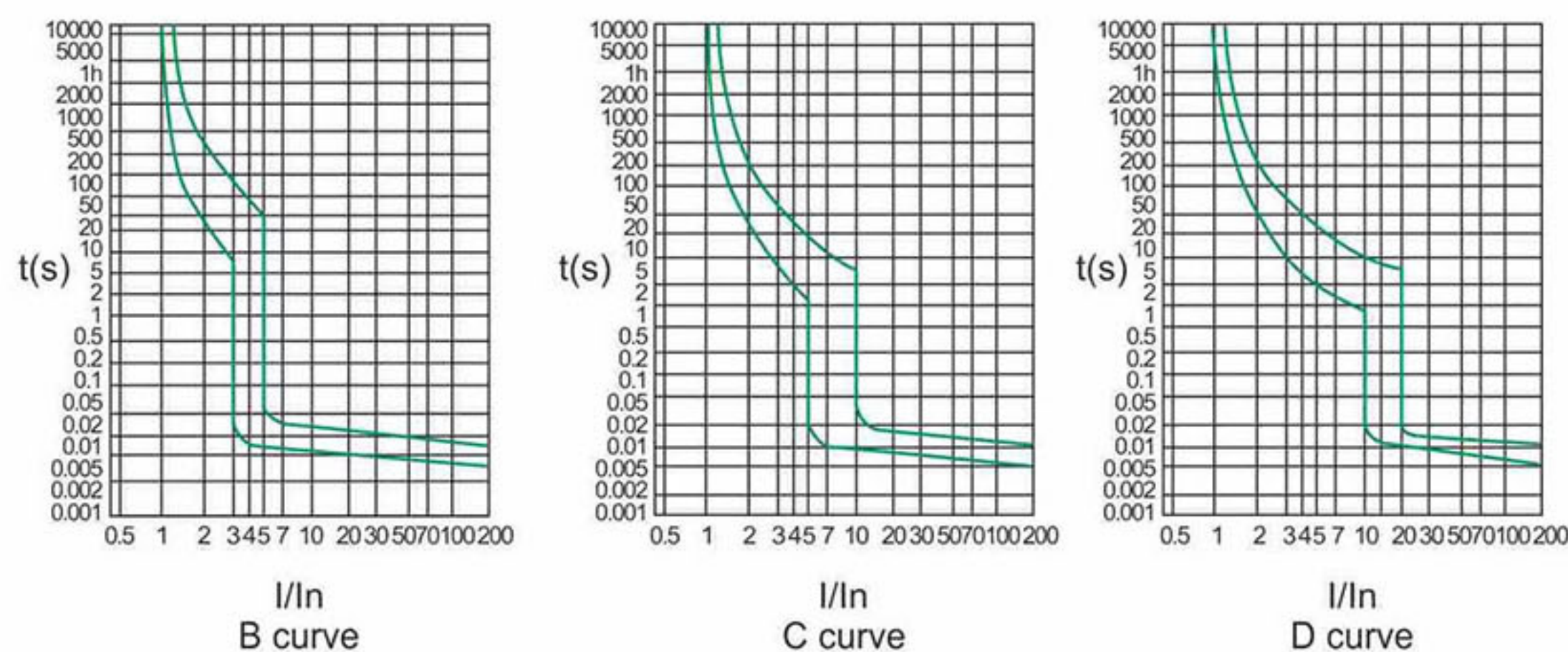
Overall & Installation Dimensions



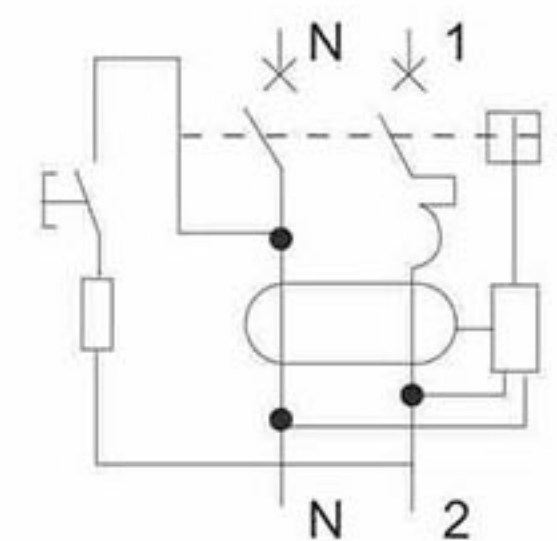
Construction and Feature

- Provides protection against earth fault/leakage current, short-circuit, overload, and function of isolation.
- Contact position indication
- Provides protection against indirect contact by human body
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- Effectively protects electric equipment against insulating failure
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- Provides comprehensive protection to household and commercial distribution systems.

Characteristic Curve



Wiring Diagram



Overload Current Protection Characteristics

Test procedure	Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
a	B,C,D	$1.13I_n$	cold	$t \leq 1h$	no tripping	
b	B,C,D	$1.45I_n$	after test a	$t < 1h$	tripping	Current in the 5s in th increase of stability
c	B,C,D	$2.55I_n$	cold	$1s < t < 60s (I_n \leq 32A)$ $1s < t < 120s (32 < I_n \leq 63A)$	tripping	
d	B	$3I_n$	cold	$t \leq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	$5I_n$				
	D	$10I_n$				
e	B	$5I_n$	cold	$t < 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	$10I_n$				
	D	$20I_n$				

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

Residual Current Action Breaking Time

type	I_n/A	$I_{\Delta n}/A$	Residual Current (I_{Δ}) Is Corresponding To The Following Breaking Time (S)					$I_{\Delta}t$	
			$I_{\Delta n}$	$2 I_{\Delta n}$	$5 I_{\Delta n}$	5A,10A,20A,50A,100A,200A,500A			
general type	any value	any value	0.3	0.15	0.04	0.04	0.04	0.04	Max Break-time

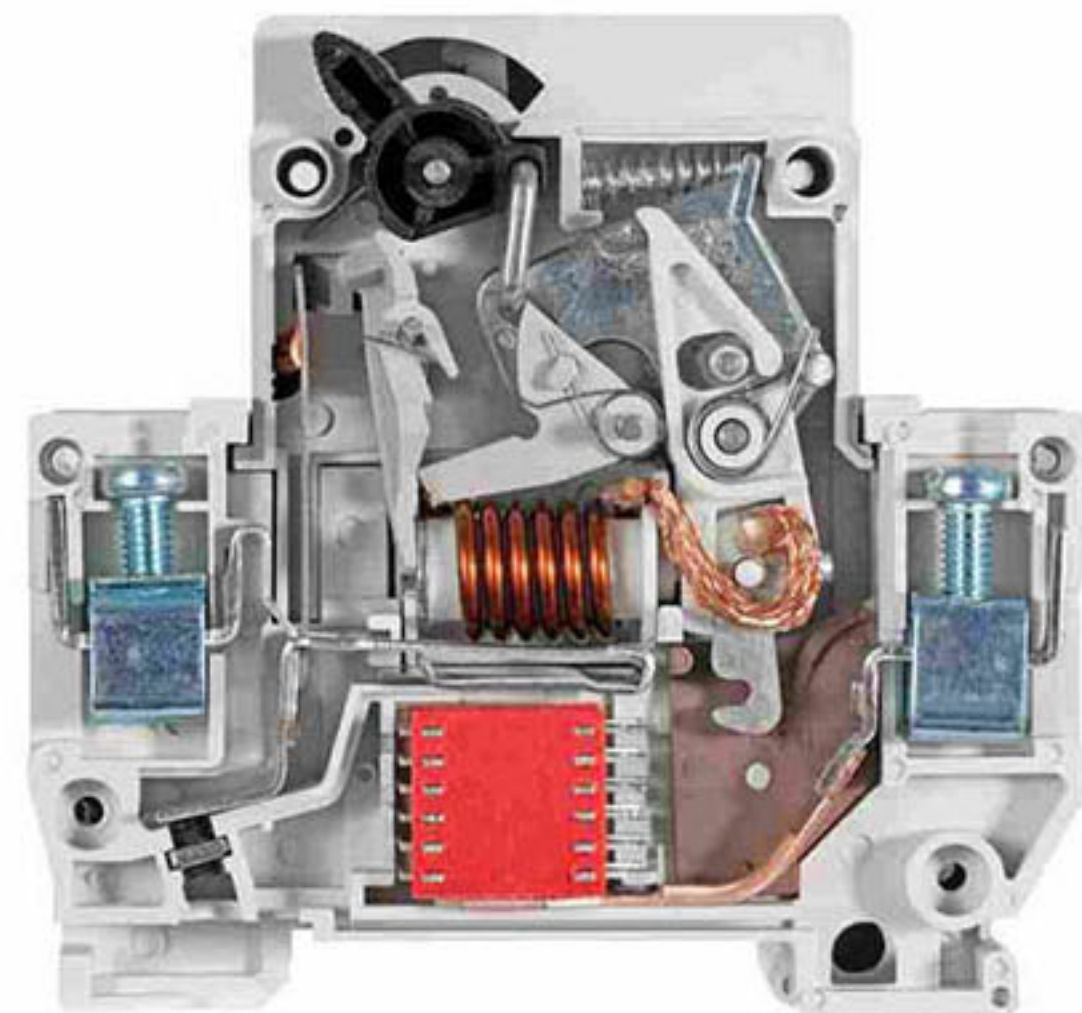
The general type RCBO whose current $I_{\Delta n}$ is 0.03mA or less can use 0.25A instead of $5I_{\Delta n}$.

A Type Of Trip Current Range

Lagangle(A)	A Tripping Current(A)	
	Lower Limit	Upper Limit
0°	$0.35 I_{\Delta n}$	$0.14 I_{\Delta n}$
90°	$0.25 I_{\Delta n}$	
135°	$0.11 I_{\Delta n}$	

Technical Data

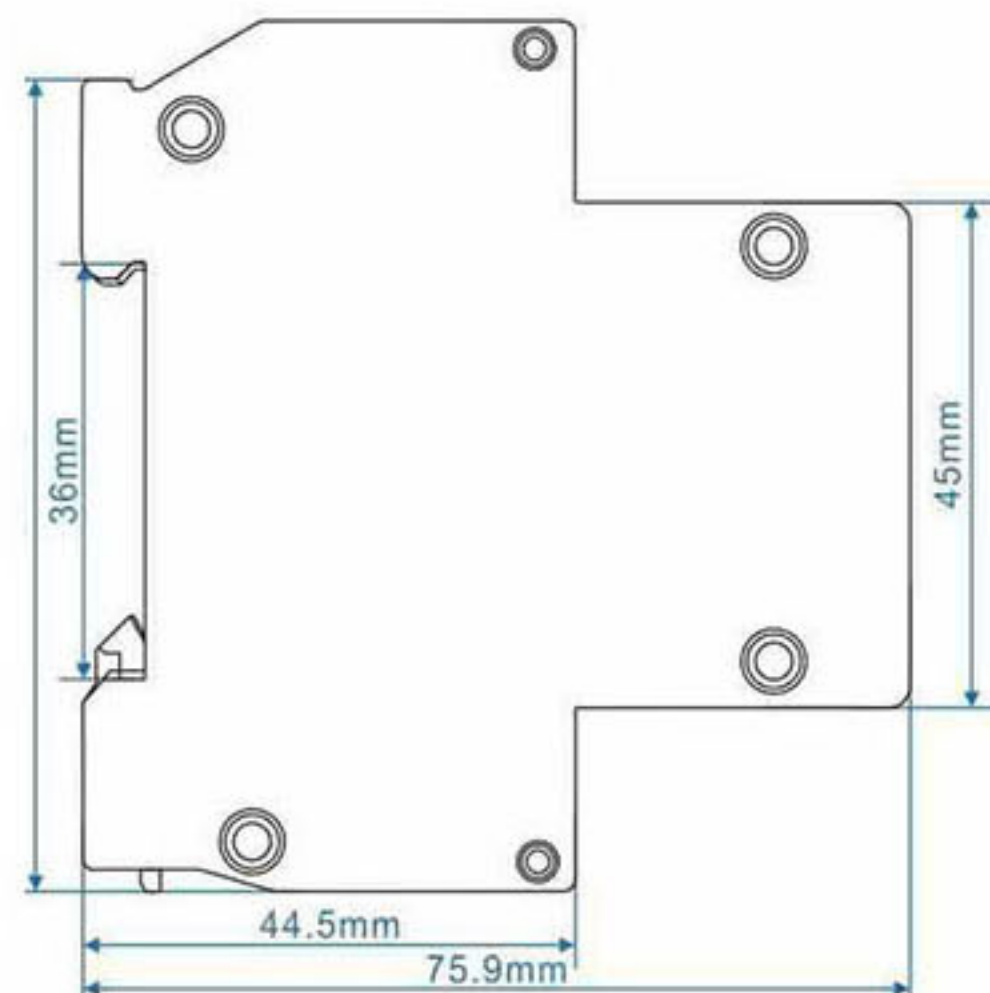
- Type: Electronic type
- Residual current characteristics: AC
- Pole No.: 1P+N
- Tripping curve: B, C, D
- Rated short-circuit capacity: 4.5kA
- Rated current (A): 6A, 10A, 16A, 20A, 25A, 32A
- Rated voltage: 240V AC
- Rated frequency: 50/60Hz
- Rated residual operating current(mA): 0.03, 0.1, 0.3
- Tripping duration: instantaneous $\leq 0.1s$
- Electro-mechanical endurance: 4000 cycles
- Connection terminal: pillar terminal with clamp
- Terminal Connection Height: H1=16mm H2=21mm
- Over-voltage tripping: 280V $\pm 5\%$
- S2 Shunt Tripper
- U2+O2 Over-voltage and under-voltage tripper
- Connection capacity:
 - ☐ Flexible conductor 10mm²
 - ☐ Rigid conductor 16mm²
- Installation:
 - ☐ On symmetrical DIN rail 35.5mm
 - ☐ Panel mounting



Compliance

- IEC61009-1
- EN61009-1

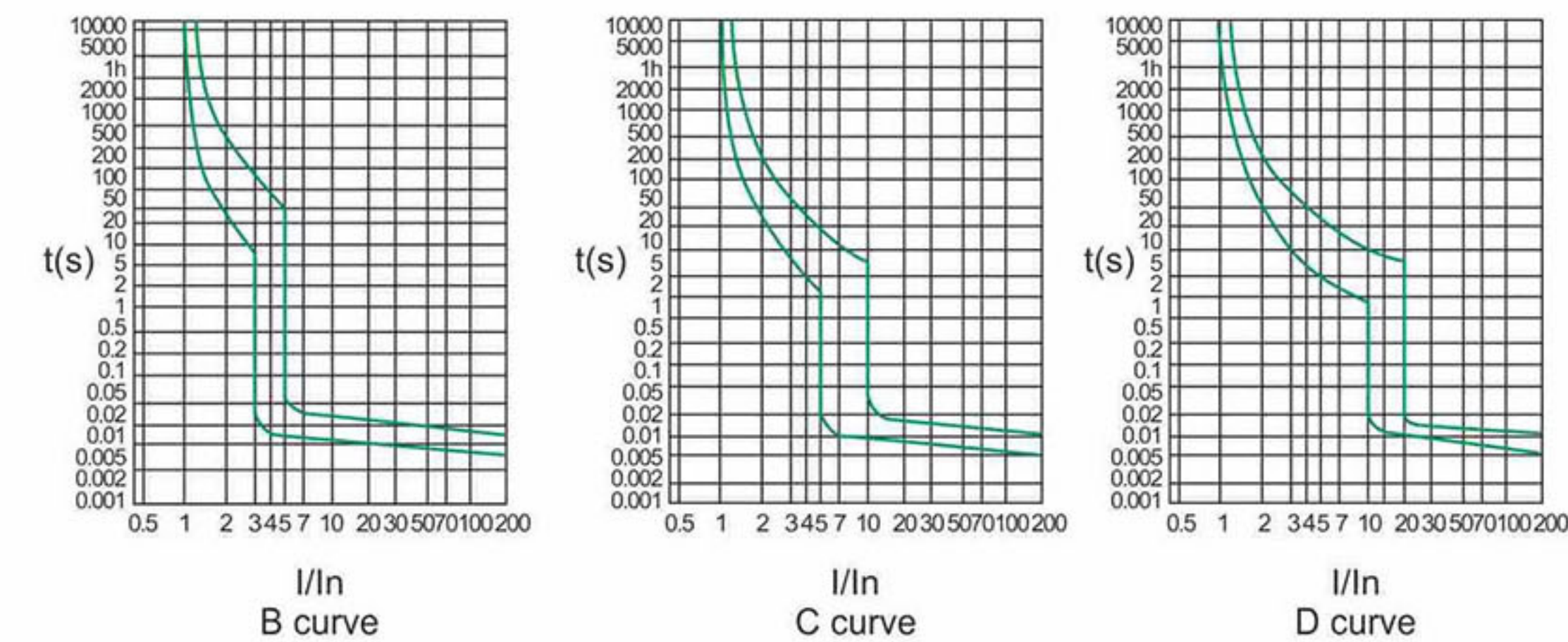
Overall & Installation Dimensions



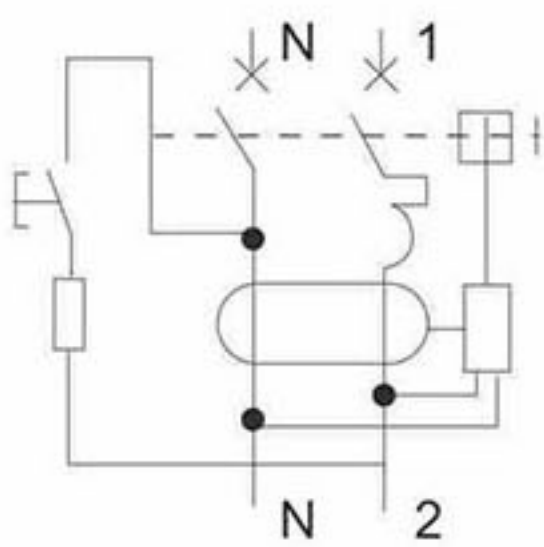
Construction and Feature

- Provides protection against earth fault/leakage current, short-circuit, overload, and function of isolation.
- Contact position indication
- Provides protection against indirect contact by human body
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- Effectively protects electric equipment against insulating failure
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- Provides protection against over-voltage
- Provides comprehensive protection to household and commercial distribution systems.

Characteristic Curve



Wiring Diagram



Overload Current Protection Characteristics

Test procedure	Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
a	B,C,D	1.13In	cold	$t \leq 1h$	no tripping	
b	B,C,D	1.45In	after test a	$t < 1h$	tripping	Current in the 5s in th increase of stability
c	B,C,D	2.55In	cold	$1s < t < 60s (In \leq 32A)$ $1s < t < 120s (32 < In \leq 63A)$	tripping	
d	B	3In	cold	$t \leq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	5In				
	D	10In				
e	B	5In	cold	$t < 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	10In				
	D	20In				

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

Residual Current Action Breaking Time

type	In/A	$I\Delta n/A$	Residual Current ($I\Delta$) Is Corresponding To The Following Breaking Time (S)					$I\Delta t$	
			$I\Delta n$	$2 I\Delta n$	$5 I\Delta n$	5A,10A,20A,50A,100A,200A,500A			
general type	any value	any value	0.3	0.15	0.04	0.04	0.04	0.04	Max Break-time

The general type RCBO whose current $I\Delta n$ is 0.03mA or less can use 0.25A instead of $5I\Delta n$.

A Type Of Trip Current Range

Lagangle(A)	A Tripping Current(A)	
	Lower Limit	Upper Limit
0°	$0.35 I\Delta n$	$0.14 I\Delta n$
90°	$0.25 I\Delta n$	
135°	$0.11 I\Delta n$	

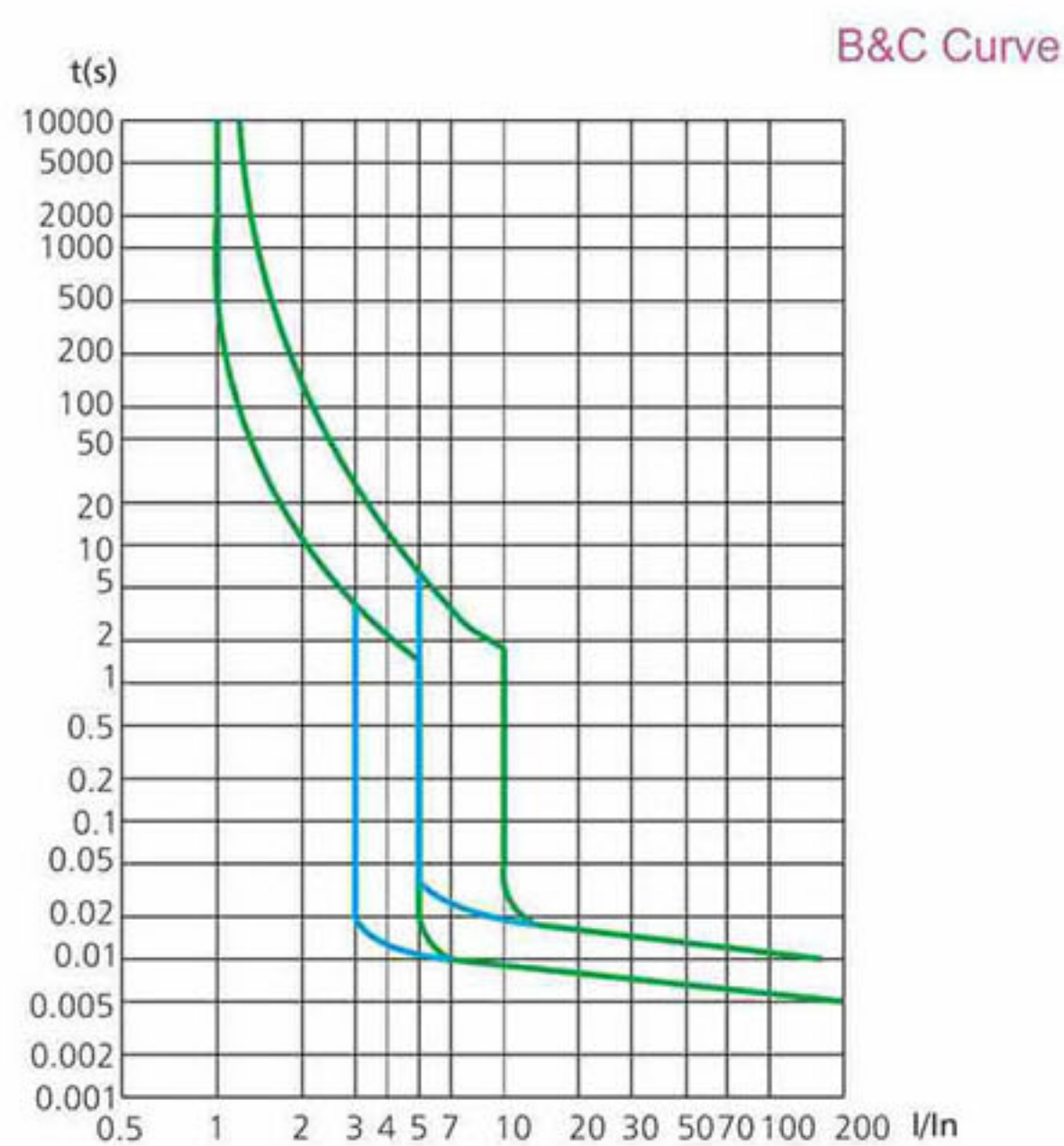
Technical Data

- Rated current: 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A
- Rated voltage: 240V(230V)~
- Rated frequency: 50/60Hz
- Number of pole: 1P+N
- Module size: 18mm
- Curve type: B&C Curve
- Breaking capacity: 6000A
- Rated residual operating current:
 - 10mA, 30mA, 100mA, 300mA Type A and AC
- Optimum operating temperature: -25°C to 40°C
- Terminal Tightening torque: 1.2N·m
- Terminal Capacity(top): 16mm²
- Terminal Capacity(bottom): 16mm²
- Electro-mechanical endurance: 4000 cycles
- Mounting: 35mm DinRail
- Line and Load reversible:
 - Suitable Busbar: PIN Busbar

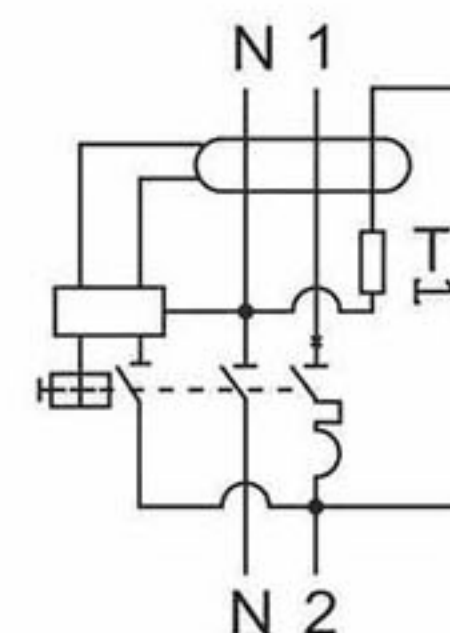
Compliance

- IEC/EN/AS/NZS 61009-1
- ESV Compliant

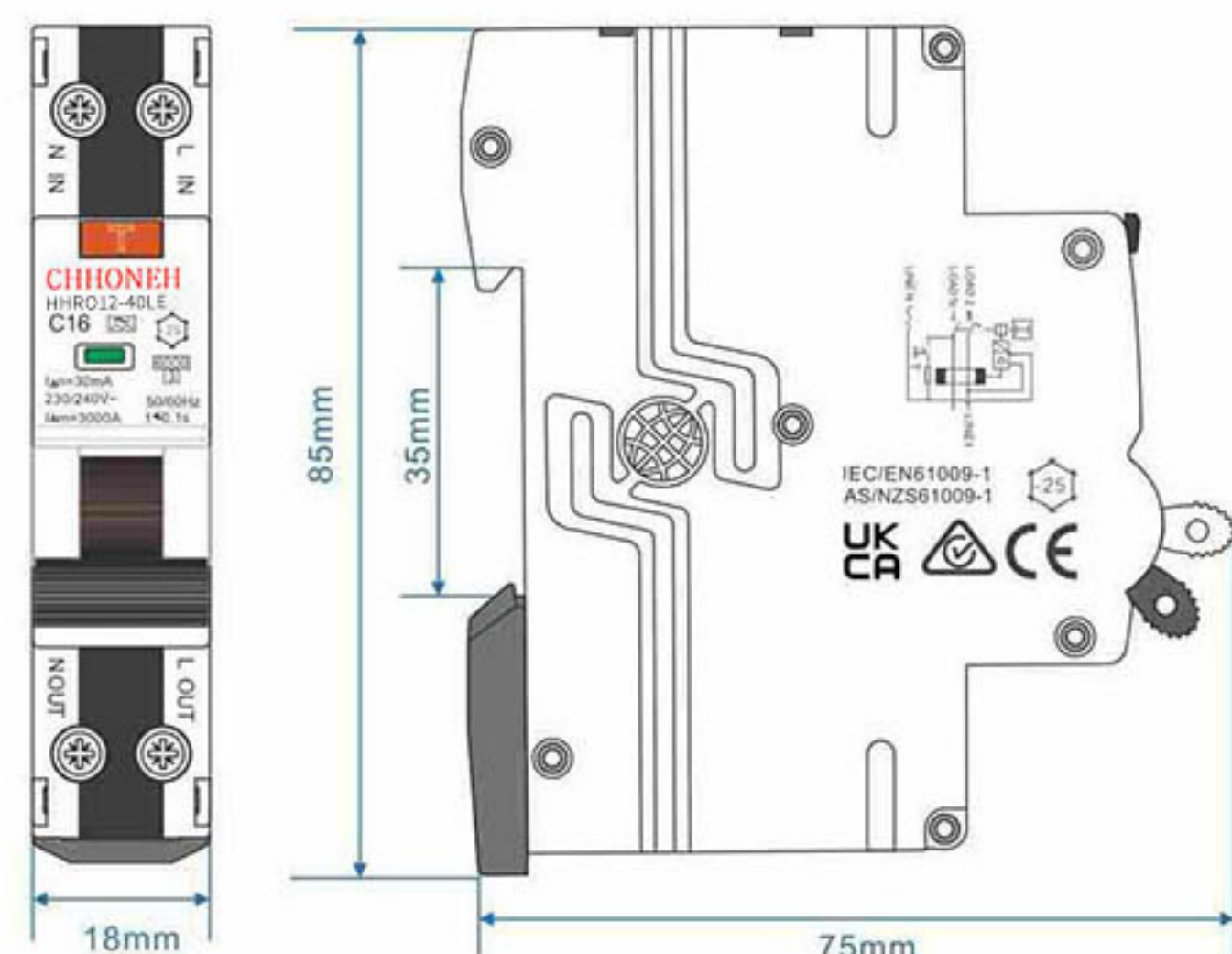
The tripping characteristic curves



Wiring Diagram



Overall & Installation Dimensions



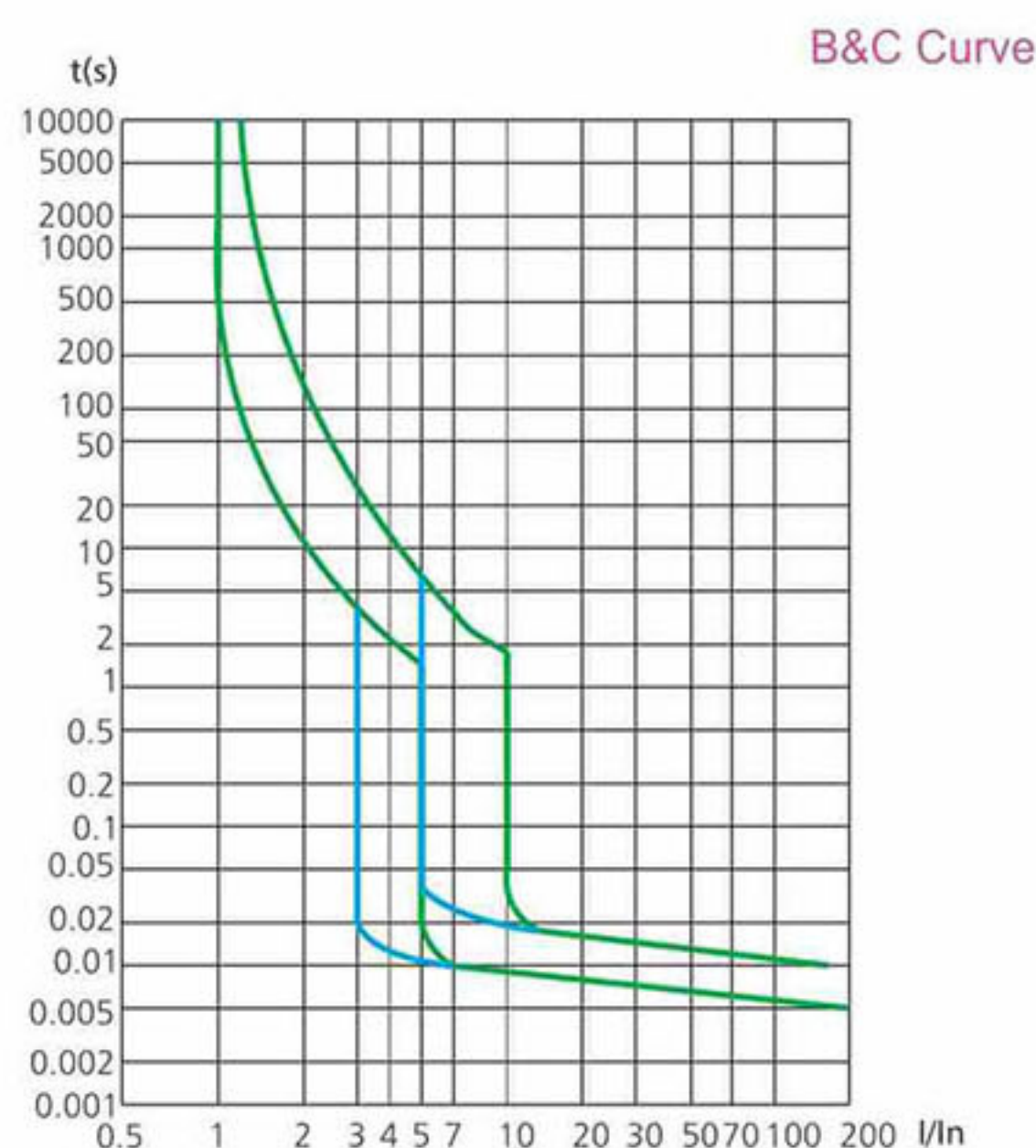
Technical Data

- Rated current: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A
- Rated voltage: 240V(230V)~
- Rated frequency: 50/60Hz
- Number of pole: 1P+N
- Module size: 18mm
- Curve type: B&C Curve
- Breaking capacity: 6000A
- Rated residual operating current:
 - 10mA, 30mA, 100mA, 300mA Type A and AC
- Optimum operating temperature: -25°C to 40°C
- Terminal Tightening torque: 1.2N·m
- Terminal Capacity(top): 16mm²
- Terminal Capacity(bottom): 16mm²
- Electro-mechanical endurance: 4000 cycles
- Mounting: 35mm DinRail
- Line and Load reversible:
 - Suitable Busbar: PIN Busbar

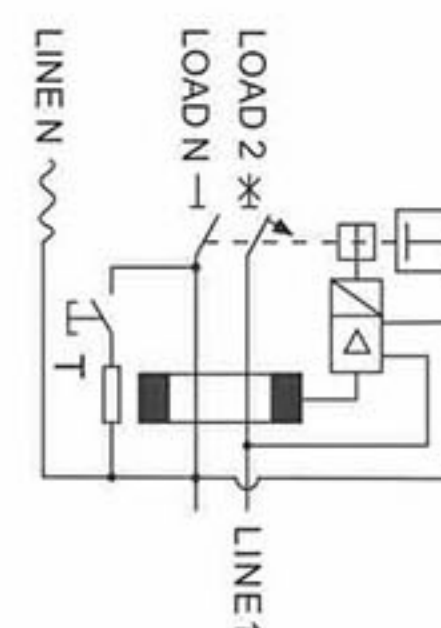
Compliance

- IEC/EN/AS/NZS61009.1:2015
- ESV Compliant

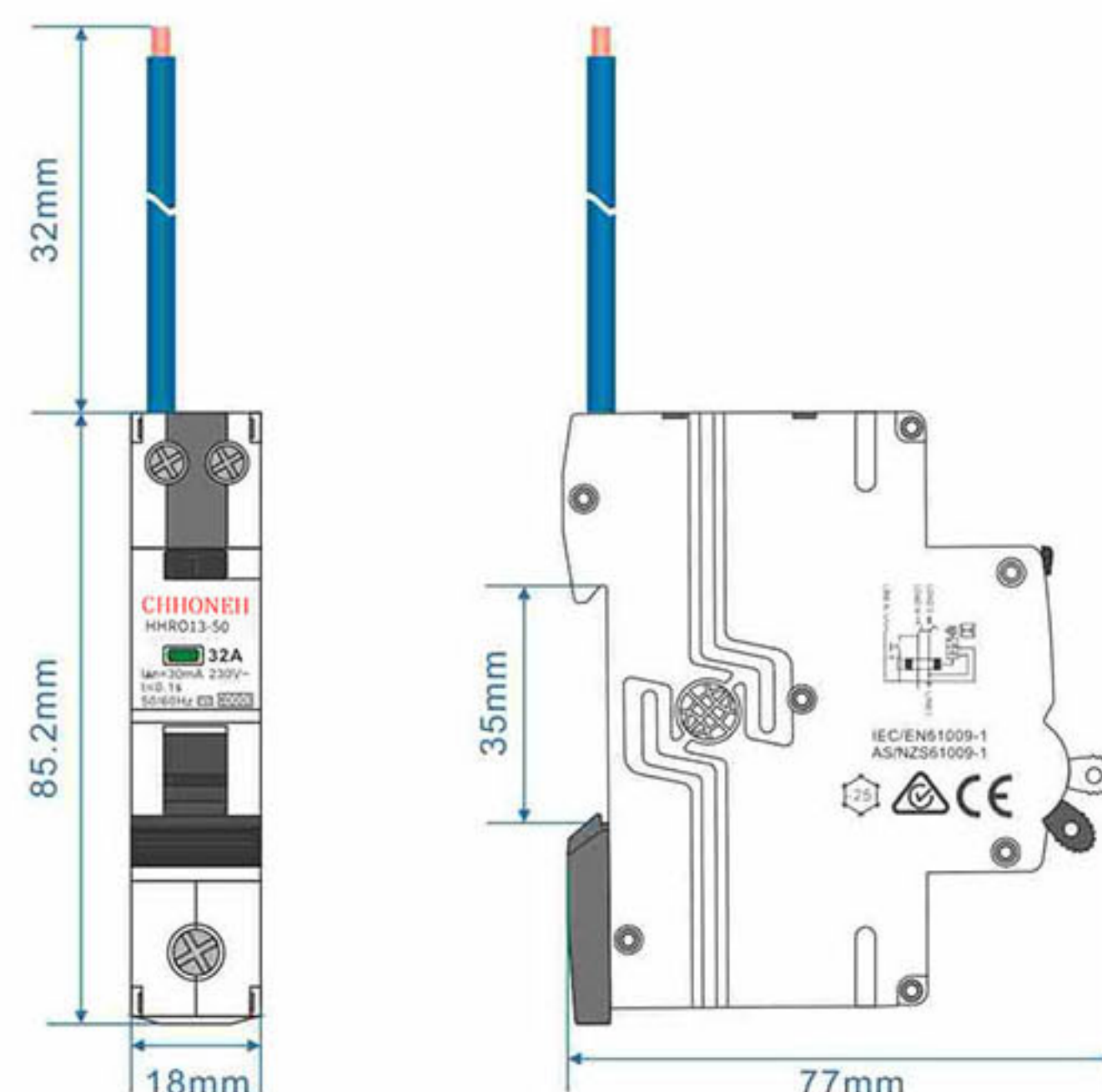
The tripping characteristic curves



Wiring Diagram



Overall & Installation Dimensions

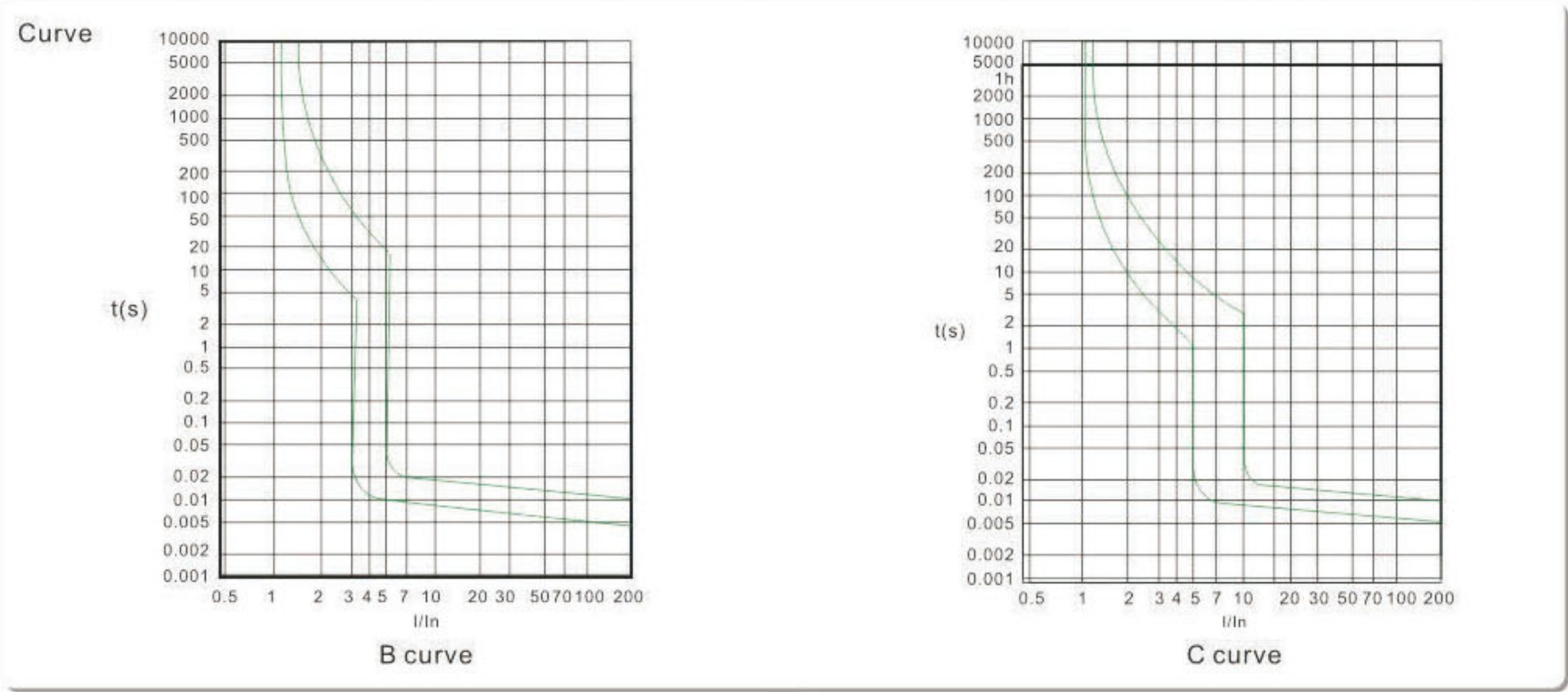




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildly used in the residential and commercial district. It complies with standard of IEC61009-1.

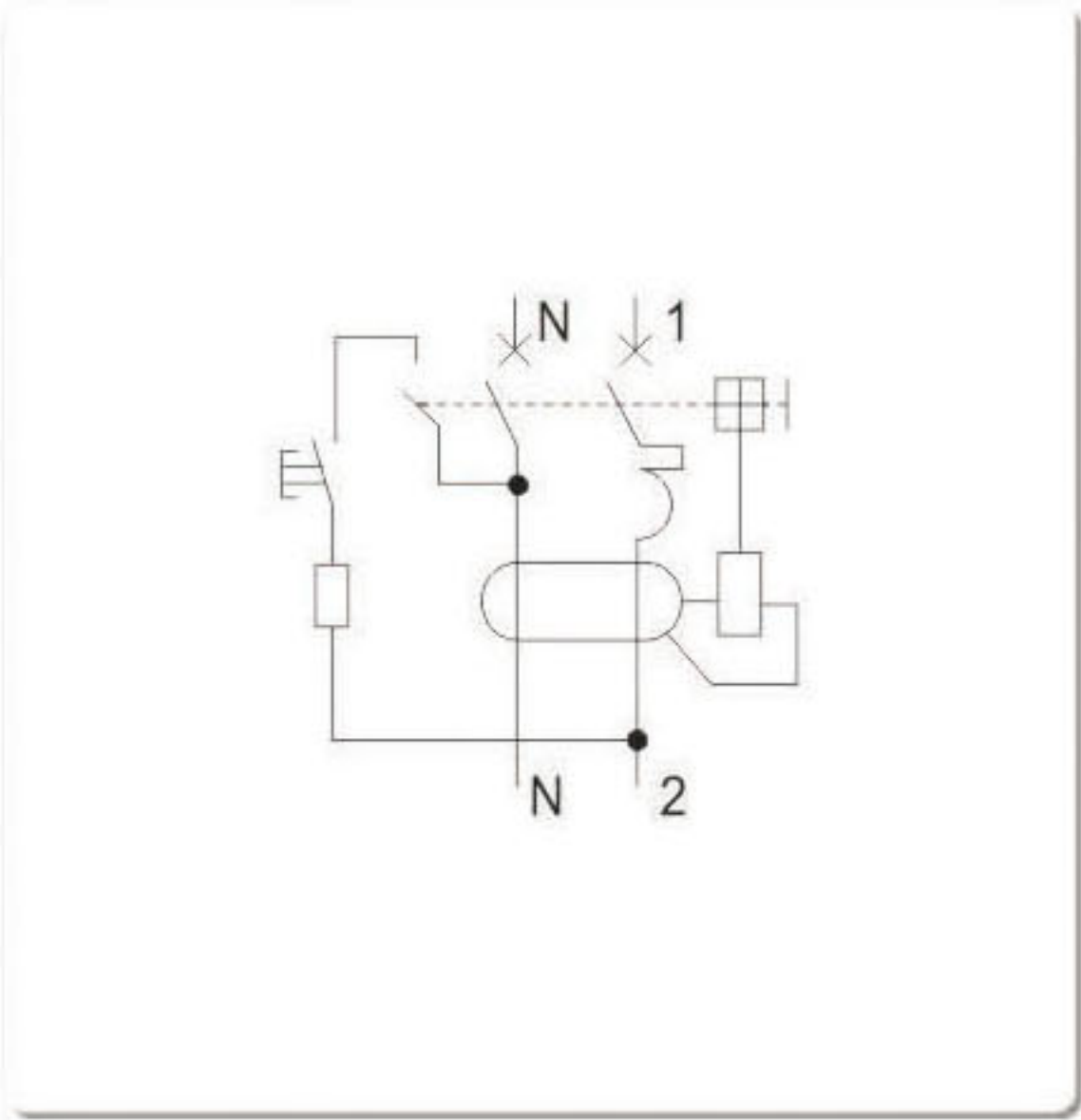
SPECIFICATIONS



SPECIFICATIONS

Standard			IEC/EN 61009-1	
Electrical features	Mode		Electronic type	
	Type(wave form of the earth leakage sensed)		AC	
	Thermo-magnetic release characteristic		B,C	
	Rated current I _n	A	2, 4, 6, 10, 16, 20, 25, 32, 40	
	Poles	P	1P+N	
	Rated voltage U _e	V	AC 230	
	Rated sensitivity I _{Δn}	A	0.01, 0.03, 0.1	
	Rated residual making and breaking capacity I _{Δm}	A	500	
	Rated short-circuit capacity I _{cn}	A	4500	
	Break time under I _{Δn}	s	≤0.1	
	Rated frequency	Hz	50/60	
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	4000	
	Dielectric test voltage at ind.Freq for 1min	kV	2	
	Insulation voltage U _i	V	250	
Mechanical features	Pollution degree		2	
	Electrical life		4000	
	Mechanical life		10000	
	Fault current Indicator		Yes	
	Protection degree		IP20	
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)	
Installation	Storage temperature	℃	-25~+70	
	Terminal connection type		Cable/Pin-type busbar/U-type busbar	
	Terminal size top/bottom for cable	mm ²	25	
		AWG	18-5	
	Terminal size top/bottom for busbar	mm ²	25	
		AWG	18-3	
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
	Connection		From top	

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

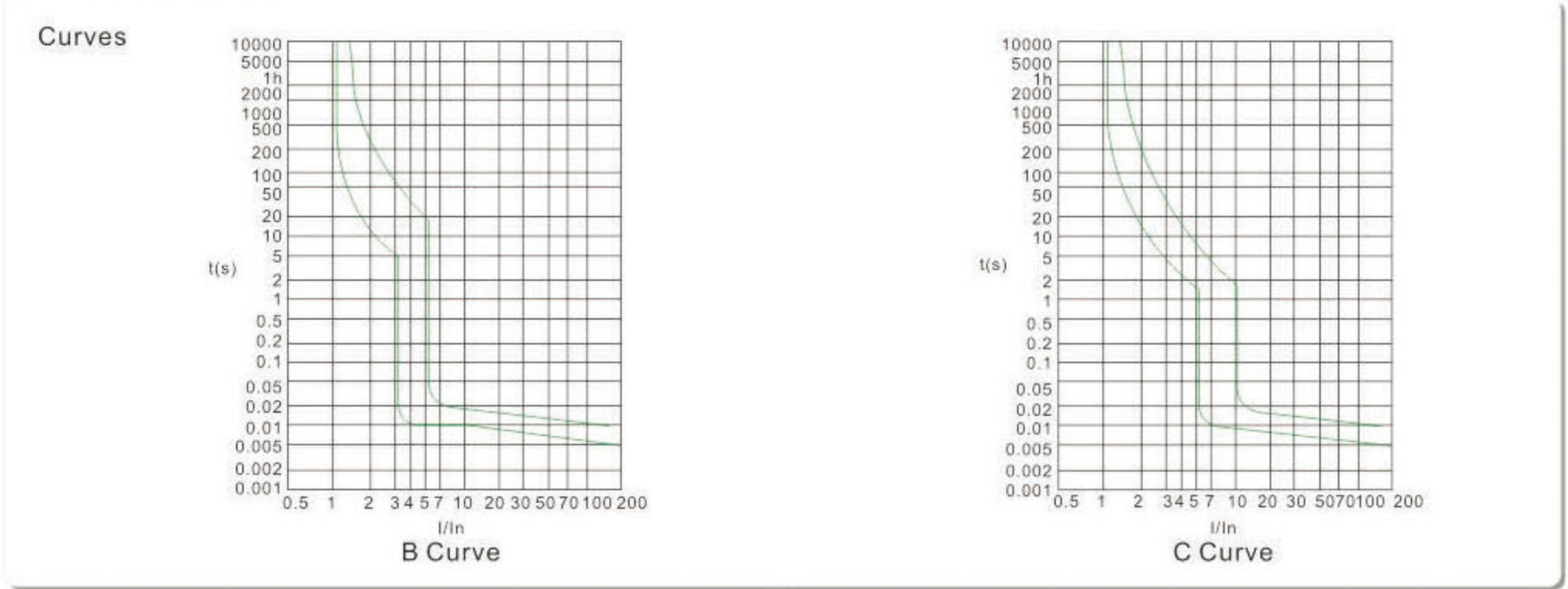




GENERAL

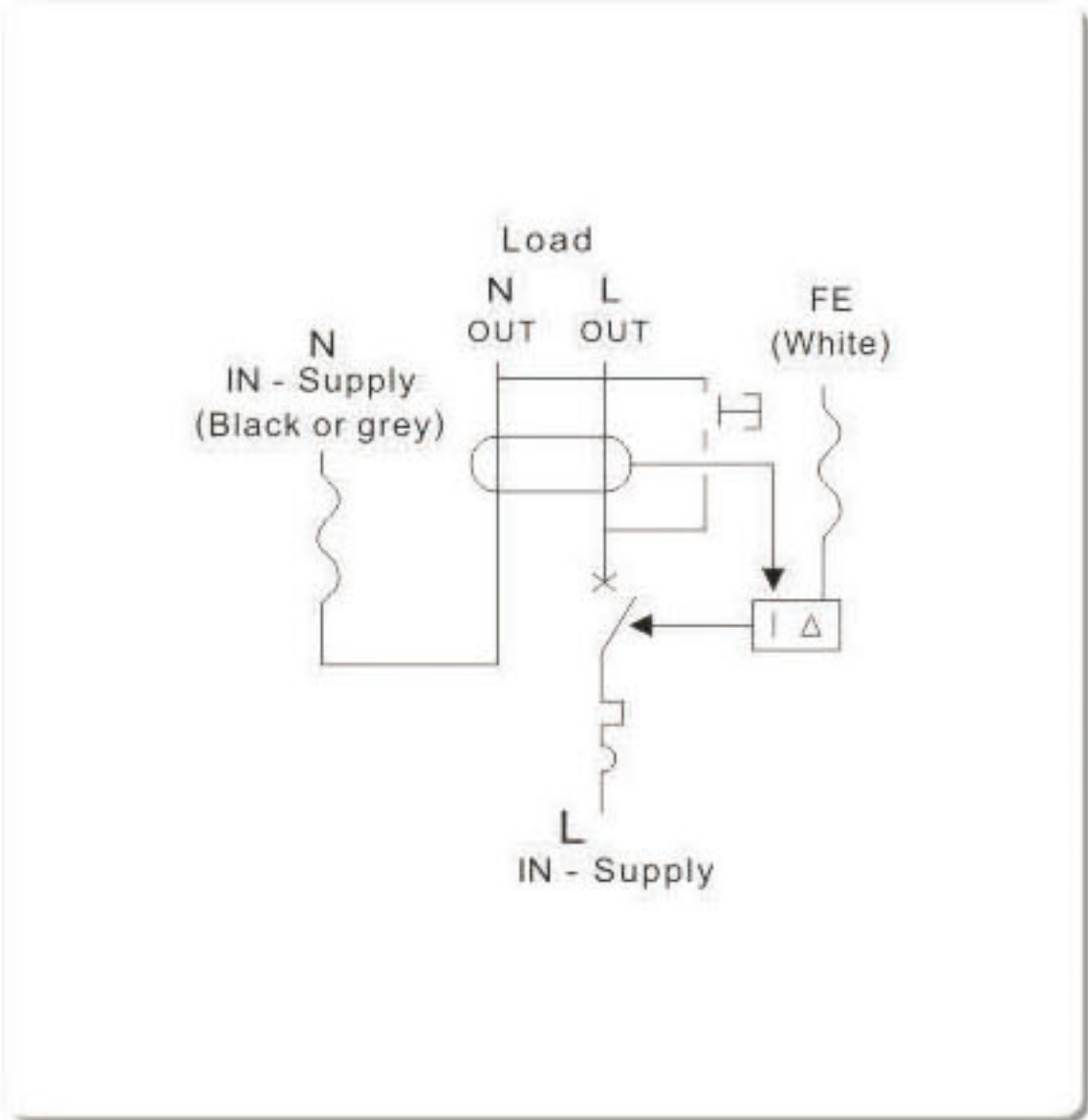
RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildly used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS

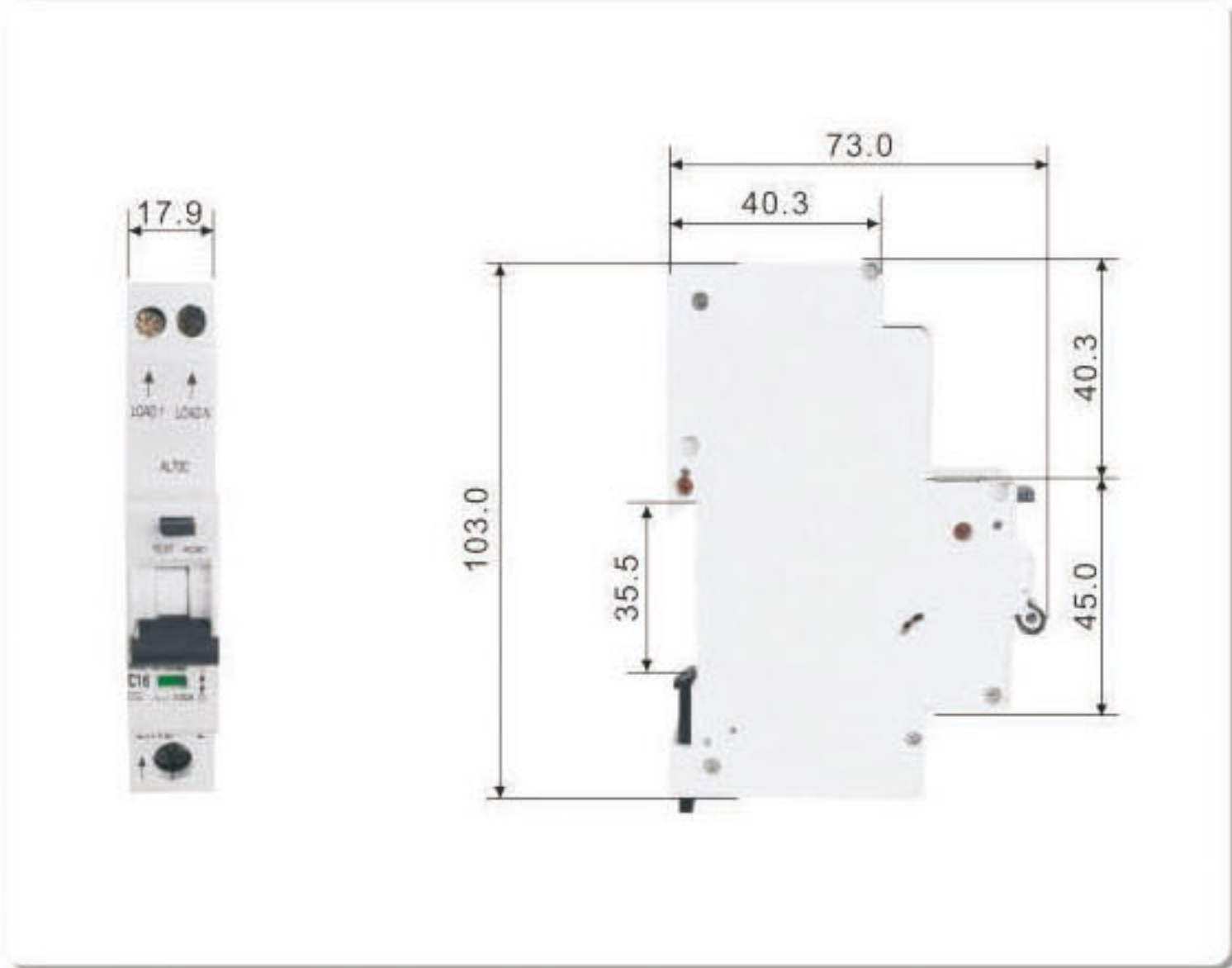


Standard			IEC/EN 61009-1	
Electrical features	Mode		Electronic type	
	Type(wave form of the earth leakage sensed)		AC	
	Thermo-magnetic release characteristic		B,C	
	Rated current In	A	2,4,6,10,16,20,25,32,40	
	Poles	P	1P+N	
	Rated voltage Ue	V	AC 240	
	Rated sensitivity IΔn	A	0.01,0.03,0.1	
	Rated residual making and breaking capacity IΔm	A	500	
	Rated short-circuit capacity Icn	A	4500	
	Break time under IΔn	s	≤0.1	
	Rated frequency	Hz	50/60	
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000	
	Dielectric test voltage at ind. Freq. for 1 min	kV	2	
	Insulation voltage Ui		500	
	Pollution degree		2	
	Electrical life	t	4000	
	Mechanical life	t	8000	
	Contact position indicator		Yes	
	Protection degree		IP20	
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)	
	Storage temperature	℃		
			-25~+70	
	Terminal connection type		Cable/U-type busbar/Pin-type busbar	
	Terminal size top/bottom for cable	mm ²	16	
		AWG	18-5	
	Terminal size top/bottom for busbar	mm ²	16	
		AWG	18-5	
	Tightening torque	N*m	2	
		In-lbs	18	
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
	Connection		From top	

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

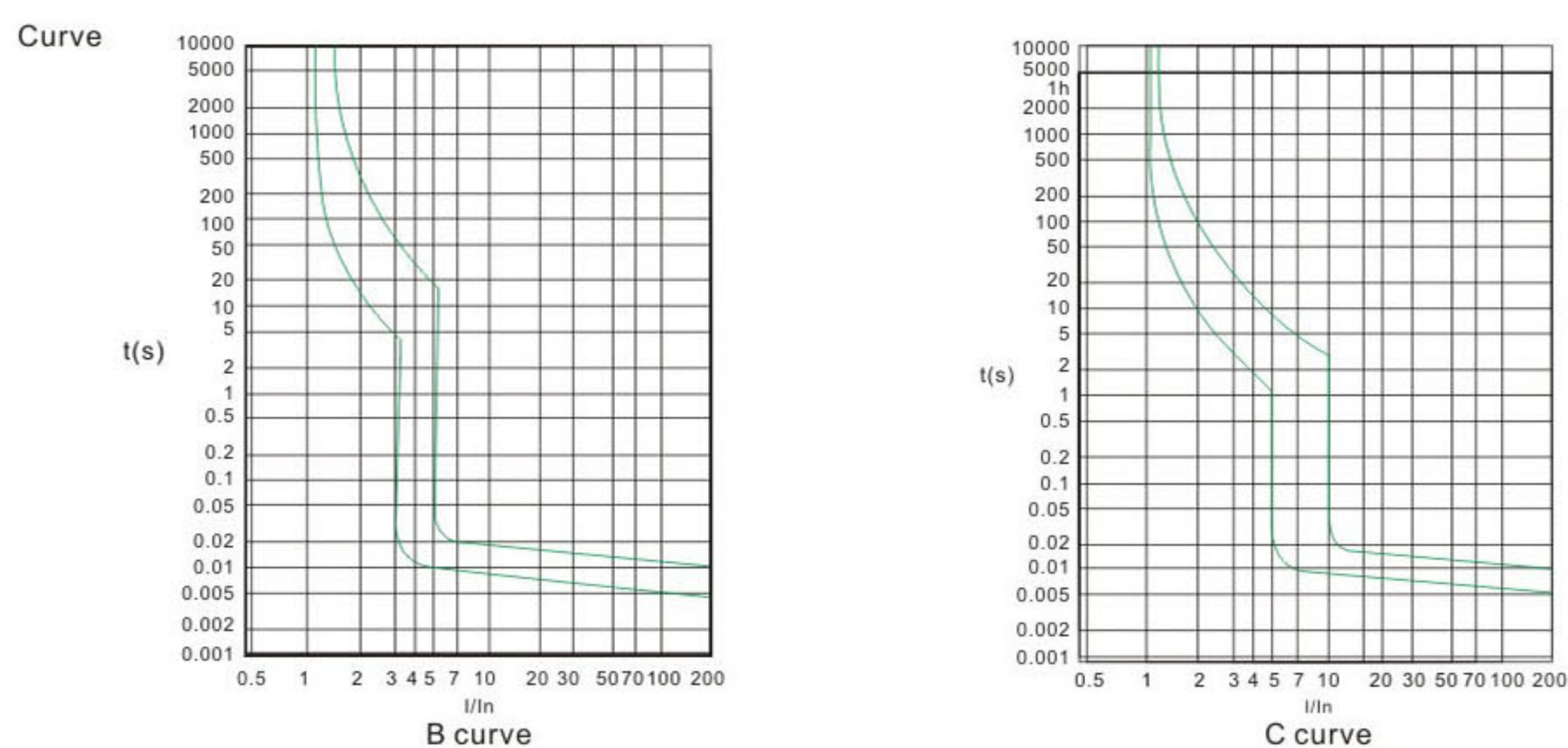




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, widely used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



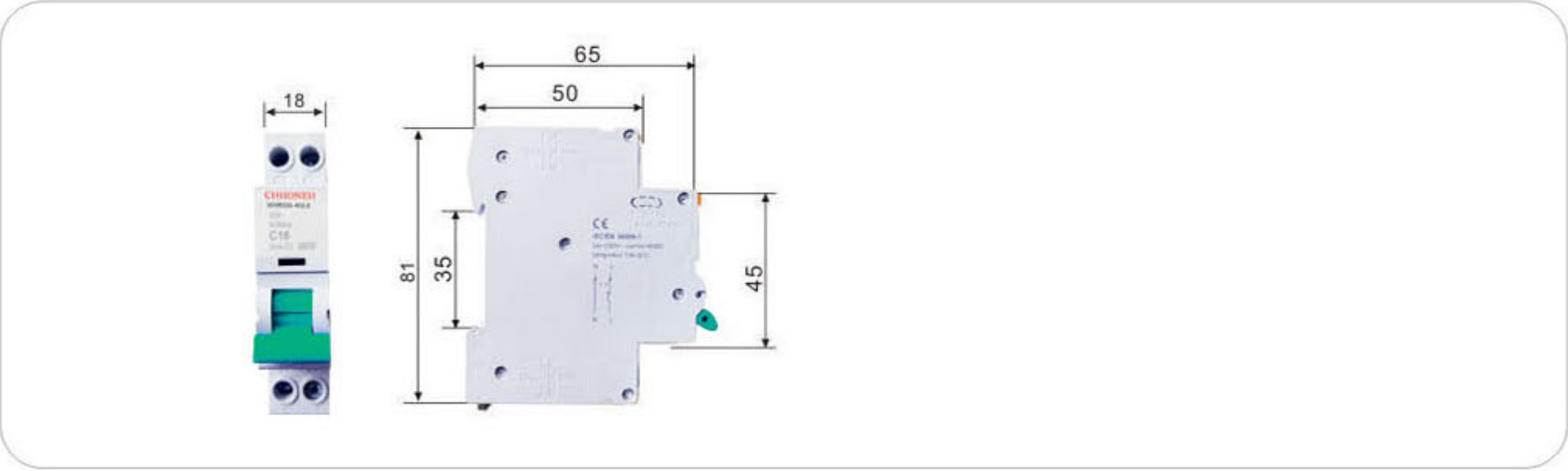
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current In	A	6,10,16,20,25,32,40
	Poles	P	1P+N
	Rated voltage Ue	V	AC 230
	Rated sensitivity I Δ n	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity I Δ m	A	500
	Rated short-circuit capacity Icn	A	4500, 6000
	Break time under I Δ n	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage Ui	V	250
	Pollution degree		2
Mechanical features	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

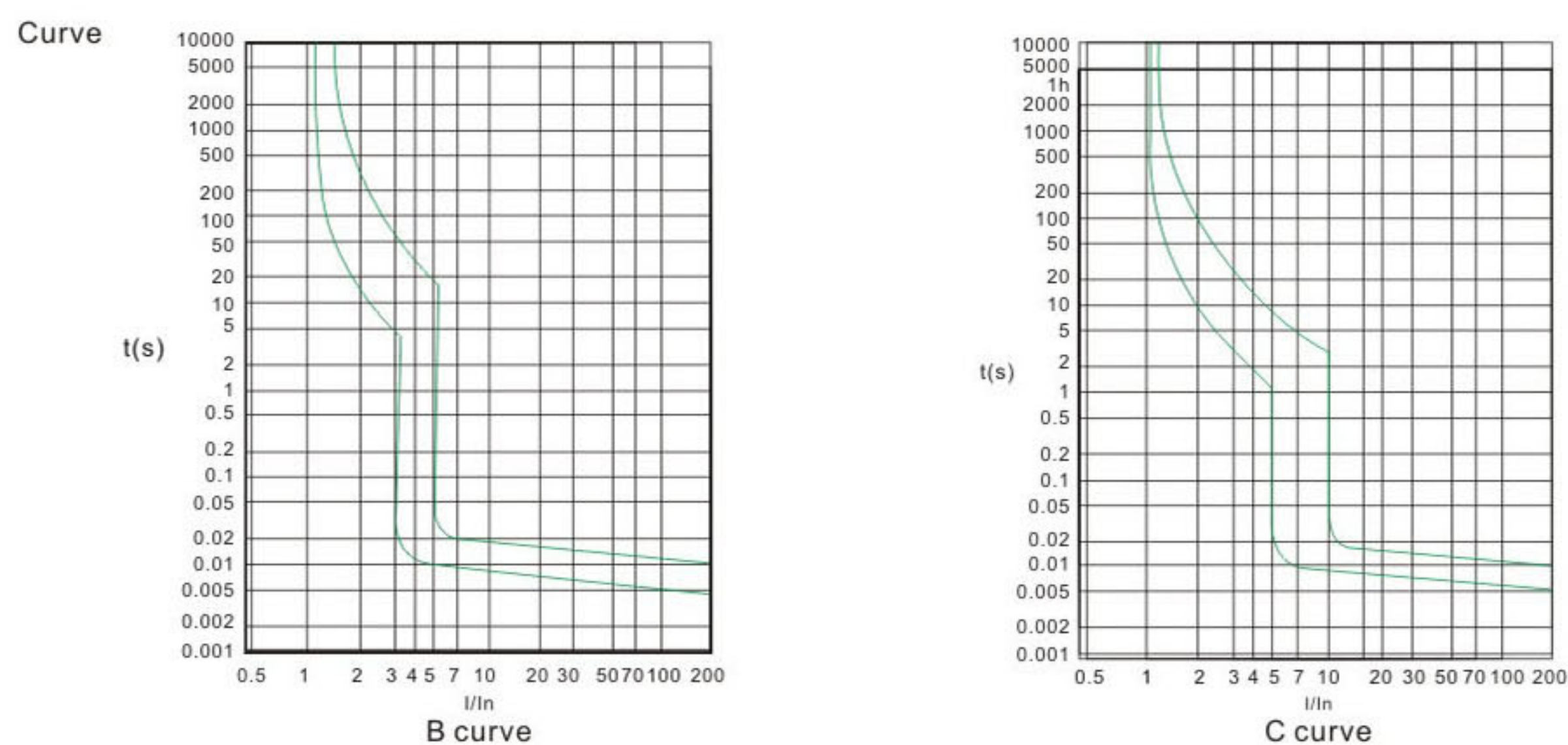




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, widely used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



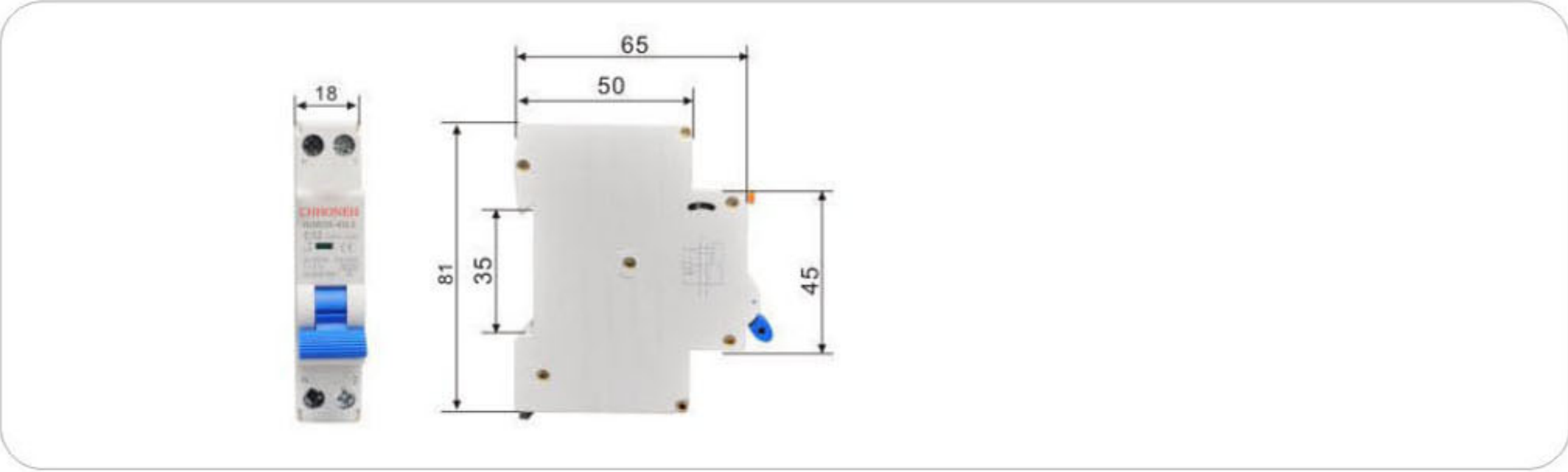
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current I _n	A	6,10,16,20,25,32,40
	Poles	P	1P+N
	Rated voltage U _e	V	AC 230
	Rated sensitivity I Δ _n	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity I Δ _m	A	500
	Rated short-circuit capacity I _{cn}	A	4500, 6000
	Break time under I Δ _n	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage U _i	V	250
	Pollution degree		2
Mechanical features	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)

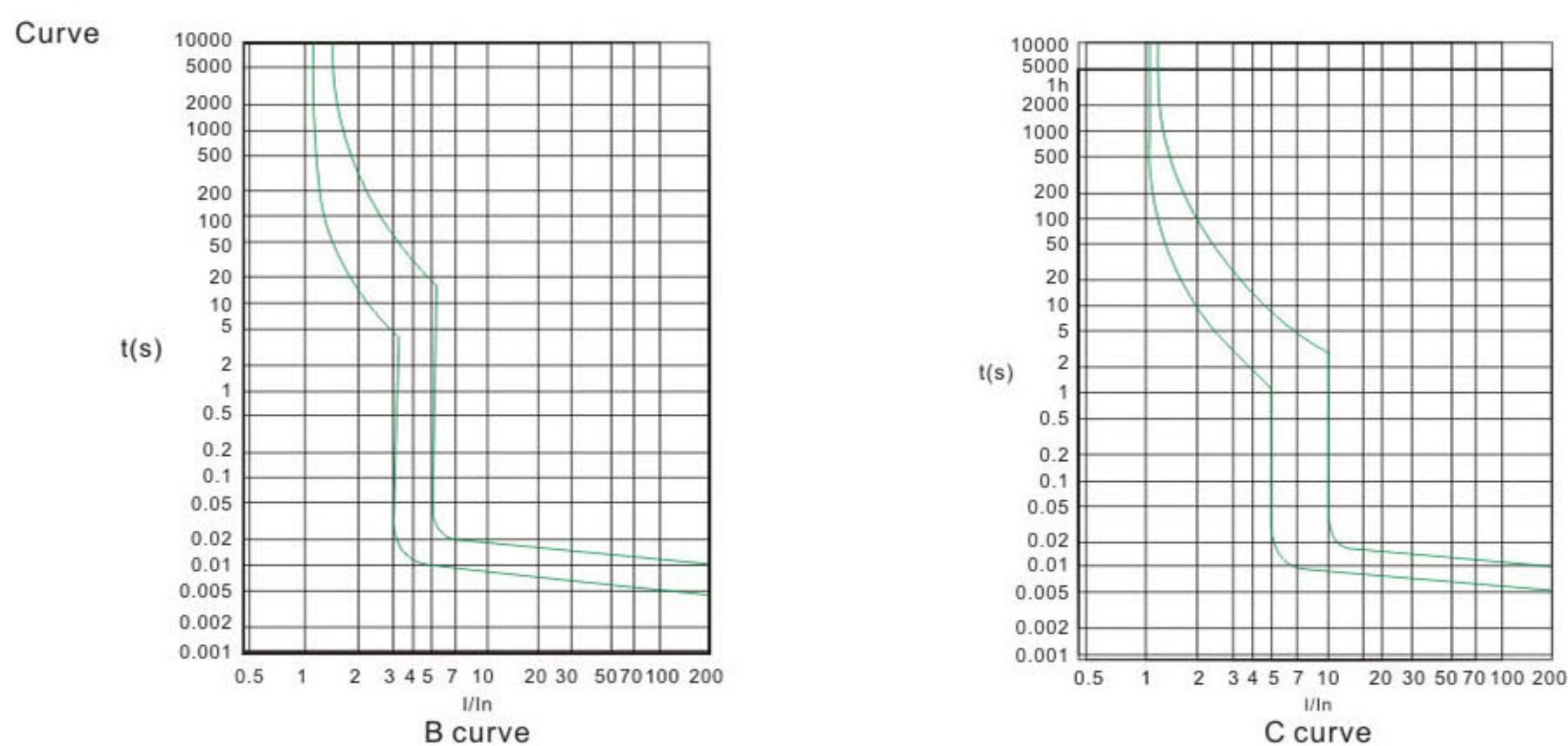




GENERAL

RCBO is mainly used in AC 50Hz(60Hz), rated voltage 230V(1P+N), rated current 6A to 40A low voltage terminal distribution system. RCBO is equal with MCB+RCD function; It is used for electric shock protection and human indirect contact protection, electric equipment protection when human body touching electricity or electric network leak current exceeds stipulated value, and over load and short circuit protection ; It can also be a non-frequency operator in the circuit, wildy used in the residential and commercial district. It complies with standard of IEC61009-1.

SPECIFICATIONS



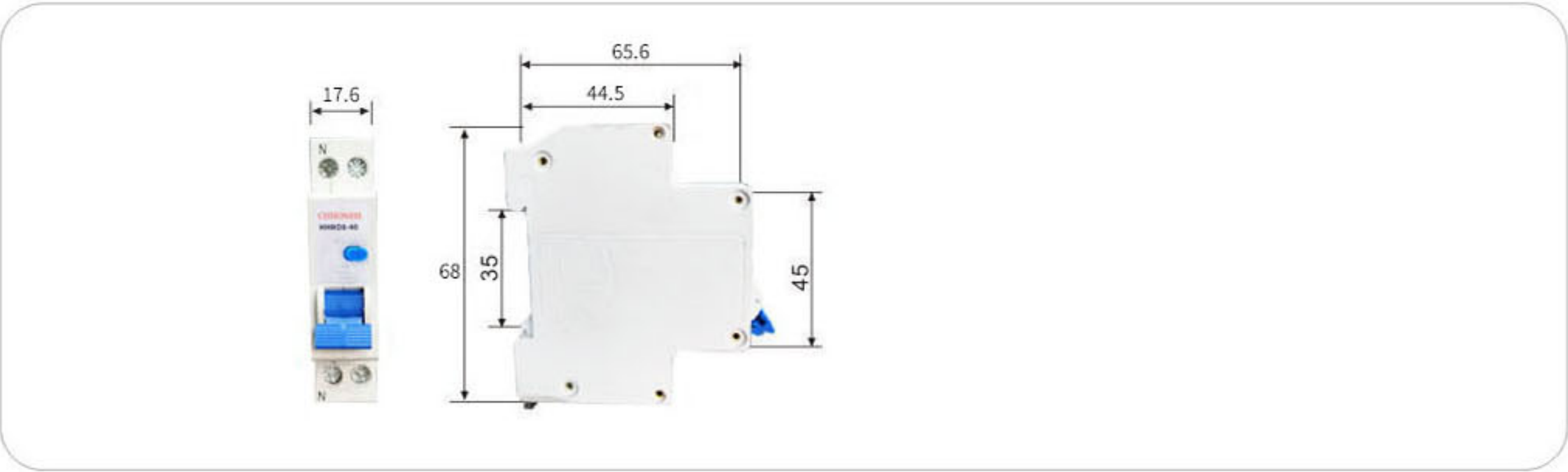
SPECIFICATIONS

	Standard	Unit	IEC/EN 61009-1
Electrical features	Mode		Electronic type
	Type(wave form of the earth leakage sensed)		A, AC
	Thermo-magnetic release characteristic		B,C,D
	Rated current I _n	A	6,10,16,20,25,32,40
	Poles	P	1P+N
	Rated voltage U _e	V	AC 230
	Rated sensitivity I Δ _n	A	0.01, 0.03, 0.1, 0.3, 0.5
	Rated residual making and breaking capacity I Δ _m	A	500
	Rated short-circuit capacity I _{cn}	A	4500, 6000
	Break time under I Δ _n	s	≤0.1
	Rated frequency	Hz	50/60
	Rated impulsewithstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq for 1min	kV	2
	Insulation voltage U _i	V	250
	Pollution degree		2
Mechanical features	Electrical life		4000
	Mechanical life		10000
	Fault current Indicator		Yes
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top

WIRING DIAGRAM



OVERALL AND MOUNTING DIMENSIONS(MM)





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