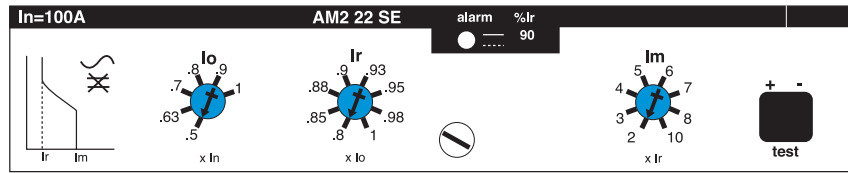


● **Electronic release**

AM2 22SE: protection of low-voltage distribution networks for AM2-100\160\250



AM2-250N/4P



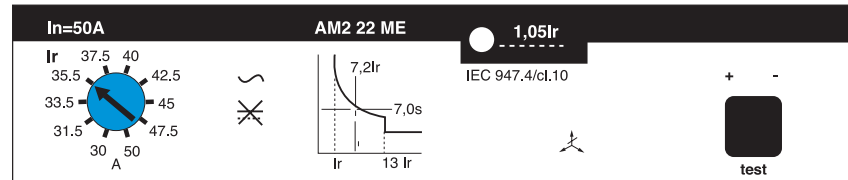
1. Overload protection with adjustable threshold
2. Short-circuit protection with adjustable threshold
3. Load indication : light at 90% of I_r setting threshold;
Flashing at 105% or more of I_r setting threshold

Type	Rated current I_n (A)	Note
AM2-100	40、100	$I_r=0.4\cdots 1 \times I_n$ (adjustable 48 setting) Tripping between $1.05\cdots 1.3 \times I_r$ (IEC60947-2) (Long-time overload protection) $I_m=2-3-4-5-6-7-8-10 \times I_r$ (Short-circuit protection)
AM2-160	40、100、160	
AM2-250	40、100、160、250	



AM2-630N/4P

AM2 22ME: protection of motor for AM2-100\160\250



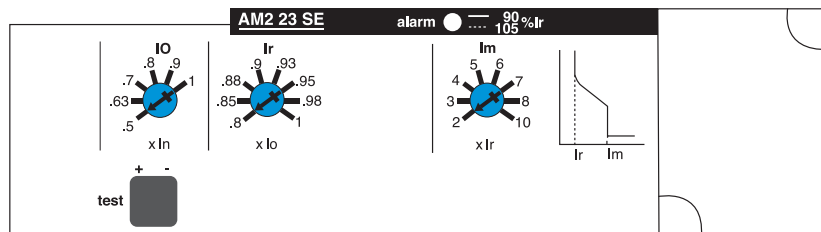
1. Overload protection with adjustable threshold, as defined by IEC60947-4 (2) tripping class 10
2. Short-circuit protection with fixed threshold ($13 \times I_r$)
3. phase failure protection (tripping time delay between 3.5s-6s)
4. Load indication : dark less than 105% of I_r setting threshold;
Flashing at 105% or more of I_r setting threshold

Type	Rated current I_n (A)	Note
AM2-100	40、50、80、100	$I_r=0.6-0.63-0.67-0.71-0.75-0.80-0.85-0.90-0.95-1 \times I_n$
AM2-160	40、50、80、100、150	
AM2-250	40、50、80、100、150、220	

AM2 23SE: protection of low-voltage distribution networks for AM2-400\630



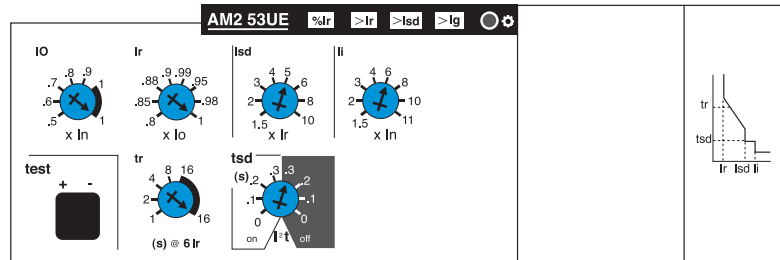
AM2-1600N



1. Overload protection with adjustable threshold
2. Short-circuit protection with adjustable threshold
3. Load indication : light at 90% of I_r setting threshold;
Flashing at 105% or more of I_r setting threshold

Type	Rated current In(A)	Note
AM2-400	400	$I_r = 0.4 \dots 1 \times I_n$ (adjustable 48 setting) Tripping between $1.05 \dots 1.3 \times I_r$ (IEC60947-2) (Long-time overload protection) $I_m = 2-3-4-5-6-7-8-10 \times I_r$ (Short-circuit protection)
AM2-630	630	

AM2 53UE: protection of low-voltage distribution networks for AM2-400\630



1. Overload protection with adjustable threshold, as defined by IEC60947-2
2. Short-circuit protection with adjustable threshold
3. Instantaneous short-circuit protection
4. Earth fault protection with adjustable threshold
5. Load indication : light at 90% of I_r setting threshold;
Flashing more than I_r setting threshold
6. Fault indication

LEDs indicates the type of fault that caused tripping

Overload (**LT** protection) or abnormal component temperature (**>Ir**);

Short-circuit (**ST** or instantaneous protection)(**>Im**);

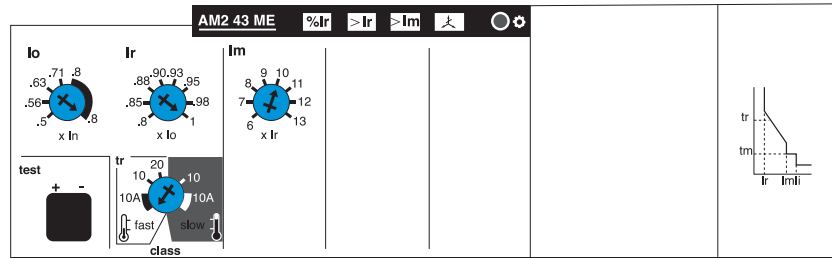
Earth fault (if earth fault protection option is present)(**Ig**);

Microprocessor malfunction (both (**>Ir**) and (**>Im**) LEDs go on ,plus the (**Ig**) LEDs if earth fault protection option is present)

Battery powered. Spare battery are supplied in an adapter box. When a fault occurs , the LED indicating the type of fault ,lights for about 10 minutes . The information is however stored in memory . The LED can be illuminated by pressing the test pushbutton. The LED automatically goes off and the memory is cleared when the circuit breaker is reset .

Type	Rated current In(A)	Note
AM2-400	400	$I_r = 0.4 \dots 1 \times I_n$ (adjustable 48 setting) Tripping between $1.05 \dots 1.3 \times I_r$ (IEC60947-2) at $6 \times I_r$ Trip time: 1s, 2s, 4s, 8s, 16s(adjustable) (Long-time overload protection) $I_{sd} = 1.5-2-3-4-5-6-7-8-10 \times I_r$ Trip time: 0s, 0.1s, 0.2s, 0.3s adjustable+ I^2t (Short-circuit short time delay protection) $I_i = 1.5-2-3-4-6-7-8-10-11 \times I_r$ (Instantaneous short-circuit protection) $I_g = 0.1-0.2-0.3-0.4-0.5-0.6-0.7-0.8-1 \times I_r$ Trip time: 0.1s, 0.2s, 0.3s, 0.4s adjustable+ I^2t (Earth fault protection) (If option is present)
AM2-630	630	

AM2 43ME: protection of motor for AM2-400\630



1. Overload protection with adjustable threshold, as defined by IEC60947-4 (2) tripping class 10A,10 and 20
2. Short-circuit protection with adjustable threshold (6...13xIr)
3. Phase failure protection (built-in electronic release: operates unbalanced single-phase current at 40% and more than) (tripping time delay $4s \pm 10\%$), as defined by IEC60947-4.1
4. Load indication : Flashing more than Ir setting threshold
5. Fault indication

LEDs indicates the type of fault that caused tripping

Overload (**LT** protection) or abnormal component temperature (**>Ir**);

Short-circuit (**ST** or instantaneous protection) (**>Im**);

Phase failure (**right LED**);

Microprocessor malfunction (**>Ir**) (**>Im**) and phase failure LEDs all go on)

Battery powered. Spare battery are supplied in an adapter box. When a fault occurs ,the LED indicating the type of fault ,lights for about 10 minutes . The information is however stored in memory . The LED can be illuminated by pressing the test pushbutton. The LED automatically goes off and the memory is cleared when the circuit breaker is reset .

Type	Rated current In(A)	Note
AM2-400	400	$I_r = 0.4 \dots 1 \times I_n$ (adjustable 48 setting) Trip degree: class 10A, 10,20(IEC60947-4) (Long-time overload protection) $I_m = 6-7-8-9-10-11-12-13 \times I_r$ (Short-circuit protection)
AM2-630	630	



Under-voltage release
Shunt release



Auxiliary contact
Alarm contact

4. Accessories

Accessories	Rated operating voltage	Consumption		For type
		Pick-up	Seal-in	
Shunt release (MX)	24V	<10VA	<5VA	AM2-100~630
	100V			
Under-voltage release (UN)	220/230V	<10VA	<5VA	
	380/400V			
Accessories	Rated operating voltage	Rated operating current		For type
		AC12	AC15	
Auxiliary contact (OF)	380/400V	6	3	AM2-100~630
Alarm contact (AL)	380/400V	6	3	

Rotary handle

● Direct rotary handle

Degree of protection:IP40

Function: 1) suitability for isolation

2) indication of three positions 0(off) I(on) and tripped

3) press “push to trip” button, can trip-free

4) visibility of and access to trip unit settings

5) the circuit breaker can be locked in the off position by one to three padlocks , diameter 5 to 8mm(not supplied)



Rotary handle

● Extended rotary handle

Degree of protection:IP55

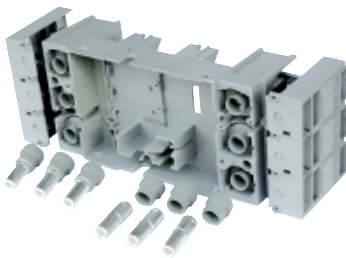
Function: 1) Suitability for isolation

2) Indication of three positions 0(off) I(on) and tripped

3) Visibility of and access to trip unit settings when the door is open

4) Door opening prevented when circuit breaker is on

5) The circuit breaker can be locked in the off position by one to three padlocks , diameter 5 to 8mm(not supplied).Locking prevents opening of the switchboard door



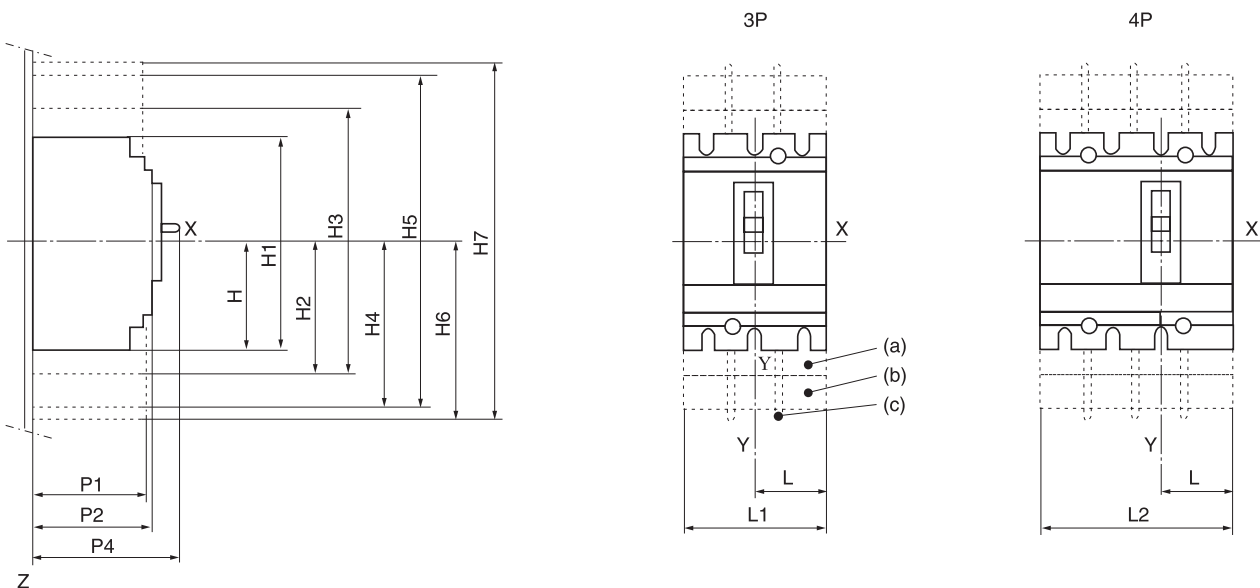
Plug-in base

5. Installation: Circuit breaker may be mounted vertically, horizontally or flat on their back without any derating of characteristics.

6. Fix: Mounting on backplate , mounting on rails

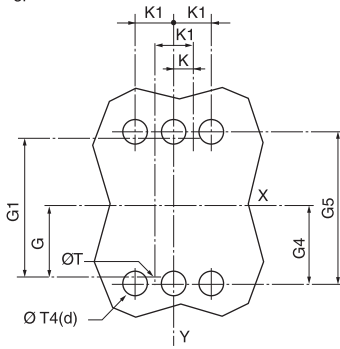
7. Connection: Front panel connection , back panel connection , plug-in connection

8. Outline and Installation Dimension

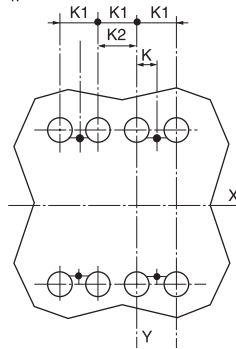


Mounting on backplate

3P

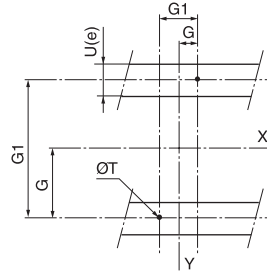


4P

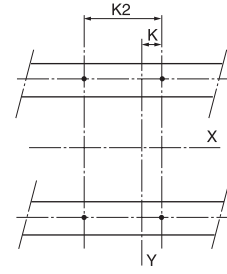


Mounting on rails

3P

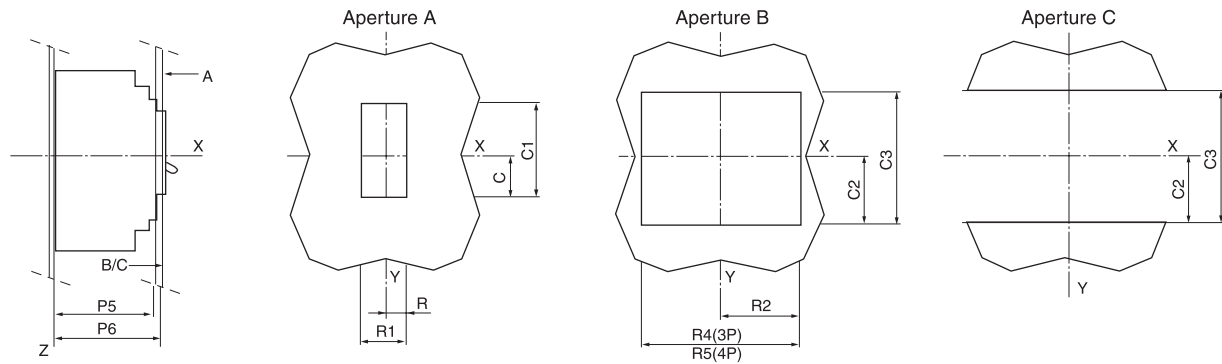


4P



Aperture on a front panel

Fitting to fixed and plug-in circuit breaker



AM2-100~630

mm	C	C1	C2	C3	G	G1	G4	G5	H	H1	H2
AM2 100/160/250N/H/L	29	76	54	108	62.5	125	70	140	80.5	161	94
AM2 400/630N/H/L	41.5	116	92.5	184	100	200	113.5	227	127.5	255	142.5
AM2 1250/1600N									100	255	

mm	H3	H4	H5	H6	H7	K	K1	K2	L	L1	L2	P1	P2	P4	P5
AM2 100/160/250N/H/L	188	160.5	321	178.5	357	17.5	35	70	52.5	105	140	81	86	111*	83
AM2 400/630N/H/L	285	240	480	237	474	22.5	45	90	70	140	185	95.5	110	168	107
AM2 1250/1600N						99.5	199	209	99.5	199	269	107.5		205	

mm	P6	R	R1	R2	R4	R5	ØT	ØT4	(Ue)
AM2 100/160/250N/H/L	88	14.5	29	54	108	143	6	22	≤ 32
AM2 400/630N/H/L	112	31.5	63	71.5	143	188	6	32	≤ 32
AM2 1250/1600N							6.5		

* P4=126 is suitable for AM2 250N/H/L