

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

Type	Rated current In(A)	Note
RDM11-100	40 100	Ir=0.4~1 In(adjustable 48 setting), Tripping between 1.05~1.3 Ir (IEC60947-2) (Long-time overload protection)
RDM11-160	40 100 160	
RDM11-250	40 100 160 250	Im=2-3-4-5-6-7-8-10 Ir (Short-circuit protection)

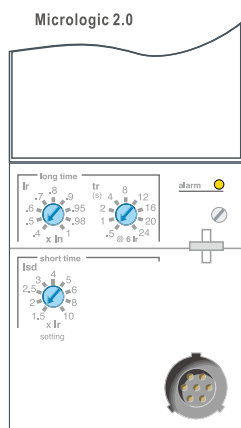
RDM11 23SE: protection of low-voltage distribution networks for RDM11-400\630



1. Overload protection with adjustable threshold
2. Short-circuit protection with adjustable threshold
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Type	Rated current In(A)	Note
RDM11-400	250 315 350 400	Ir=0.4~1 In(adjustable 48 setting), Tripping between 1.05~1.3 Ir (IEC60947-2) (Long-time overload protection)
RDM11-630	400 500 630	
		Im=2-3-4-5-6-7-8-10 Ir (Short-circuit protection)

Micrologic 2.0: for RDM11-800\1000\1250\1600



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

Type	Rated current In(A)	Note
RDM11-1000	800 1000	Ir=0.4~1 In(adjustable 48 setting) Tripping between 1.05~1.3 Ir (IEC60947-2) (Long-time overload protection)
RDM11-1250	1000 1250	
RDM11-1600	1250 1600	Im=2-3-4-5-6-7-8-10 (Short-circuit protection)

4. 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 .

MOULDED CASE CIRCUIT BREAKER

5. Accessories



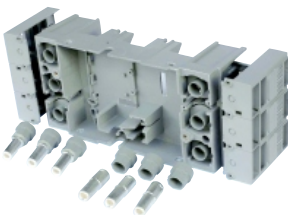
Under-voltage release
Shunt release



Auxiliary contact
Alarm contact



Rotary handle



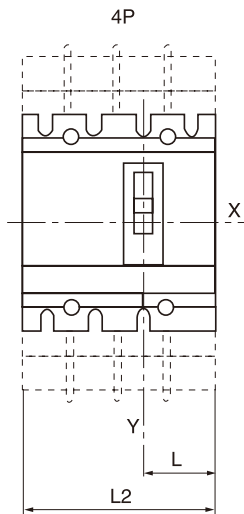
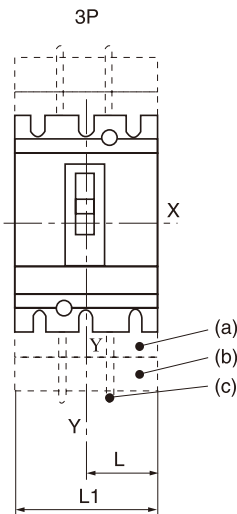
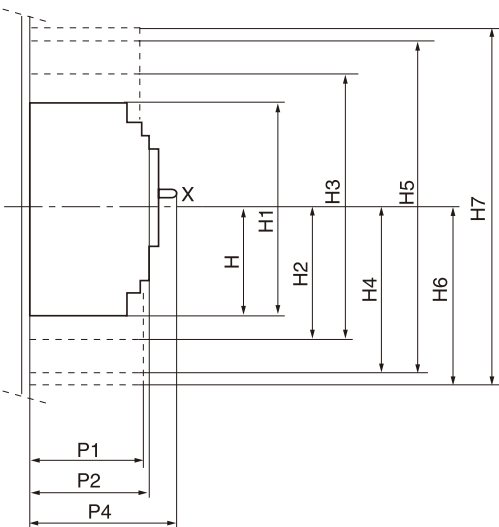
Plug-in base

Accessories	Rated operating voltage	Consumption		For type
		Pick-up	Seal-in	
Shunt release (MX)	24V	<10VA	<5VA	RDM11-100~630
	100V			
	220/230V			
	380/400V			
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	RDM11-100~630
Alarm contact(AL)	380/400V	6	3	

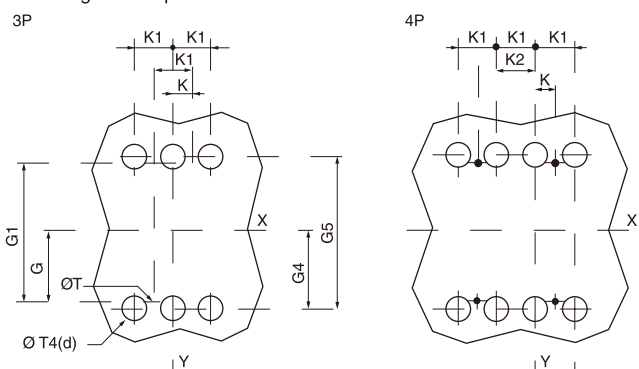
Rotary handle

- 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)
- 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 open
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
- Installation: Circuit breaker may be mounted vertically, horizontally or flat on their back without any derating of characteristics.
 - Fix: Mounting on backplate , mounting on rails
 - Connection: Front panel connection , back panel connection , plug-in connection

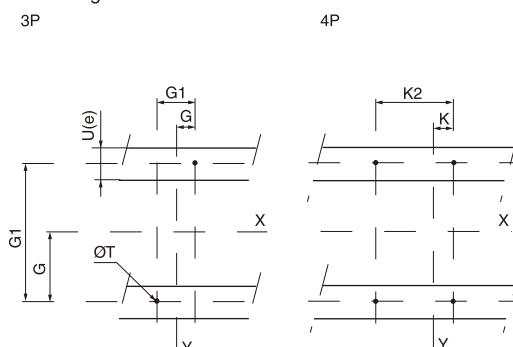
6. Outline and Installation Dimension



Mounting on backplate

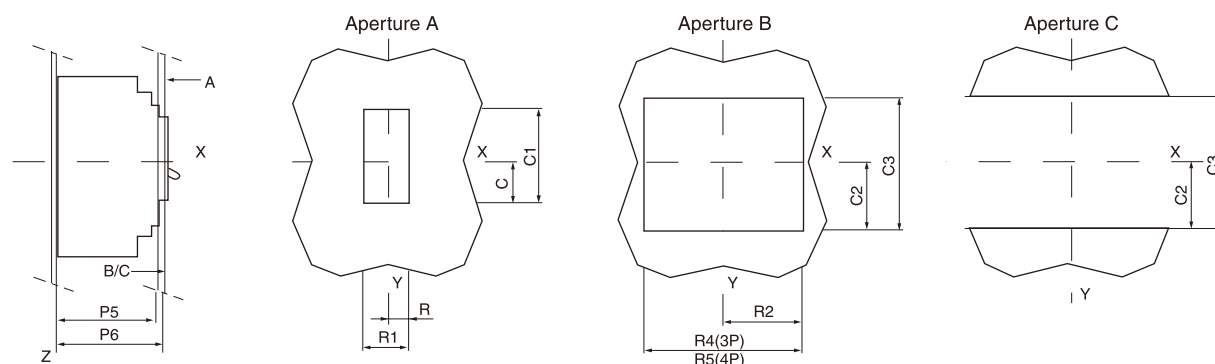


Mounting on rails



Aperture on a front panel

Fitting to fixed and plug-in circuit breaker



RDM11-100~630

mm	C	C1	C2	C3	G	G1	G4	G5	H	H1	H2
RDM11-100/160/250N/H/L	29	76	54	108	62.5	125	70	140	80.5	161	94
RDM11-400/630N/H/L	41.5	116	92.5	184	100	200	113.5	227	127.5	255	142.5
RDM11-1250/1600N									100	255	

mm	H3	H4	H5	H6	H7	K	K1	K2	L	L1	L2	P1	P2	P4	P5
RDM11-100/160/250N/H/L	188	160.5	321	178.5	357	17.5	35	70	52.5	105	140	81	86	111*	83
RDM11-400/630N/H/L	285	240	480	237	474	22.5	45	90	70	140	185	95.5	110	168	107
RDM11-1250/1600N						99.5	199	209	99.5	199	269	107.5		205	

mm	P6	R	R1	R2	R4	R5	ØT	ØT4	(Ue)
RDM11-100/160/250N/H/L	88	14.5	29	54	108	143	6	22	32
RDM11-400/630N/H/L	112	31.5	63	71.5	143	188	6	32	32
RDM11-1250/1600N							6.5		

P4=126 is suitable for=RDM11-250N/H/L