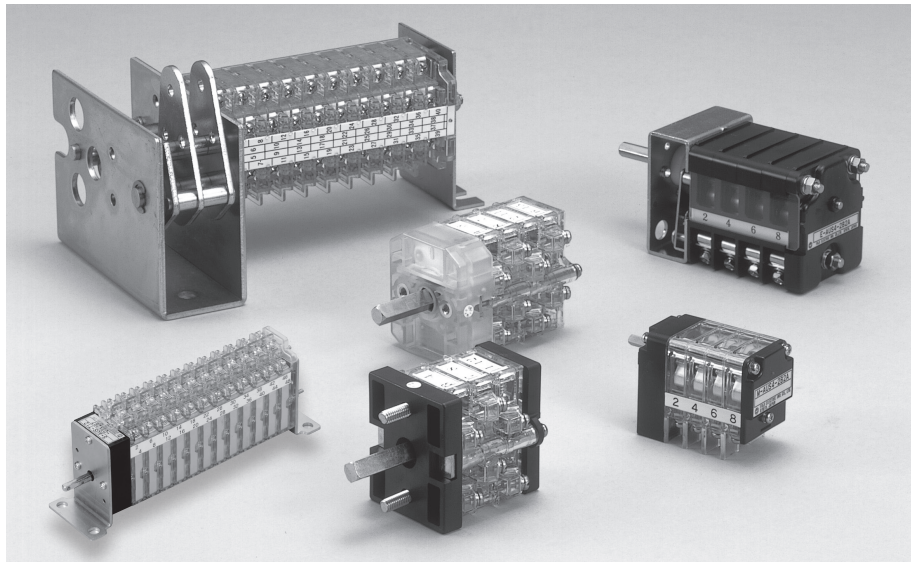




AUXILIARY SWITCH



FEATURES

Control devices for the circuit breaker play important roles for protecting the power system. It is an auxiliary switch that functions interlocking with the main circuit switching mechanism of the circuit breaker or the insulated switch, therefore high reliability is required.

■ Rotary type auxiliary switch

● Cam-operated type

B type auxiliary switch

Applicable for shutting down relatively large current in frequently switching uses.

BMZ and CMZ type auxiliary switches

High-reliable auxiliary switches that have higher breaking capacity and higher impact resistance (prevention of chattering) than the conventional ones.

All the wiring terminals are located on one side, for making wiring work easier.

● Drum type

M type auxiliary switch

Compactly designed and yet relatively high in breaking performance; therefore most suitable for miniaturize for the equipment.

■ Push-type auxiliary switch

● UX-33A

Applicable for a high-voltage electromagnetic contactor or a vacuum circuit breakers. The contact parts has a structure that can be incorporate a magnet, so that it's possible to increase the breaking capacity of the contacts.

SPECIFICATIONS (RATINGS, PERFORMANCE)

	Item	B-AUS	BM-AUS	BMZ	CMZ	S-AUS	M-AUS	UX-33A
Rating	Rated insulation voltage (Ui)	600V	600V (With insulation sheet) 250V (No insulation sheet)			250V		
	Rated current-carrying capacity (Ith)	20A	Silver contact: 20A Gold contact: 2A	20A		10A	8A	10A
	Screw size		M4×9			M3.5×7 / PC board	M4×8 / faston#250	M4×8
Performance	Electrical life	500,000 (110V DC 1.5A L/R=40ms)	100,000 (110V DC 1.5A L/R=40ms)	50,000 (110V DC 5A L/R=40ms)	30,000 (110V DC 10A L/R=40ms)	30,000 (110V DC 5A L/R=40ms)	10,000 (110V DC 2A L/R=40ms)	250,000 (110V DC 3A L/R=40ms)
	Mechanical life	5,000,000	1,000,000	500,000		30,000	50,000	1,000,000
	Contact resistance	50mΩ or less						
	Withstand voltage	2,500V for 1 min.			2,000V for 1 min.		2,500V for 1 min.	
Standard operating condition	Ambient temperature	-20°C to 60°C (No freezing)						
	Altitude	2,000 m or less			1,000 m or less		2,000 m or less	

HOW TO ORDER

Please choose a code below for auxiliary switch. Please ask us for special specifications (contact arrangement, shaft shape, confirmable standard etc.).

[B-AUS type]

B-AUS-05X□□□-□

Basic type

Spec No.

[BM-AUS type]

BM-AUS 1-05X□□□□-□

Basic type

Spec No.

Fix bolt number

1	2 bolts of front (less than 7 units) 1 insulation sheet
2	4 bolts of front and rear (more than 8 units) 2 insulation sheets

[BMZ type]

BMZ-03X□□□□-□

Basic type

Spec No.

[CMZ type]

CMZ-03X□□□□-□

Basic type

Spec No.

[S-AUS type]

S-AUS-03X□□□□-□

Basic type

Spec No.

[M-AUS type]

M-AUS-06X□□□□-□

Basic type

Spec No.

[UX-33A type]

UX-33A 3A2B1DB - □

Basic type

Contact arrangement

5A1B	5A 1DB
4A2B	4A1B1DB
3A3B	3A2B1DB
2A4B	2A3B1DB
1A5B	1A4B1DB

A,B contact···Standard contact
DB contact···Delay contact

※1DB contact parts (terminal No. 25-26) has a magnet that's a standard structure.

However, please specify when putting magnet into the 1A contact parts (terminal No. 11-12)

※Terminal No. 26 and 12, wiring on the ⊕ side is standard.

●In case of tropical treatment products, due to produced an order, please ask us about the delivery time and price separately.

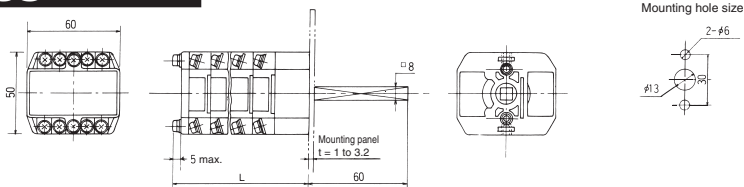
MR : Tropical region type (Special products)
Blank : Standard type



AUXILIARY SWITCH

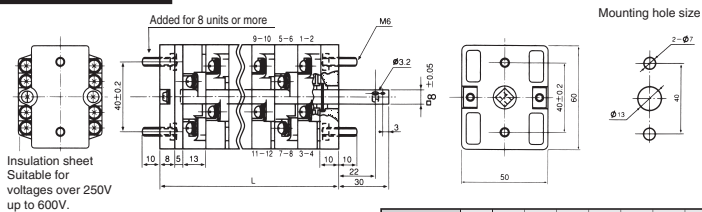
OUTLINES

B-AUS



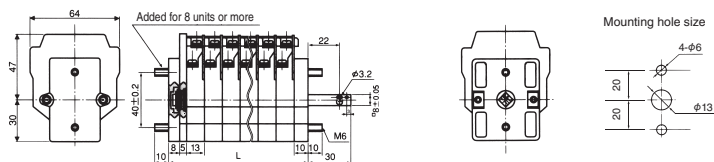
No. of units	3	4	5	6	7	8	9	10
L (mm)	70	83	96	109	122	135	148	161

BM-AUS (BH-AUS)



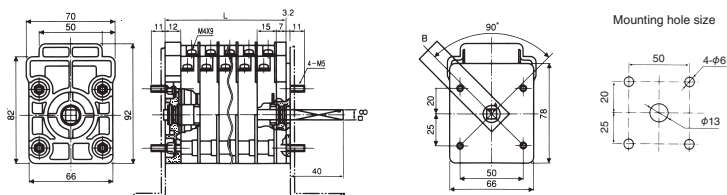
No. of units	1	2	3	4	5	6	7	8	9	10
L (mm)	36	49	62	75	88	101	114	127	140	153

BMZ



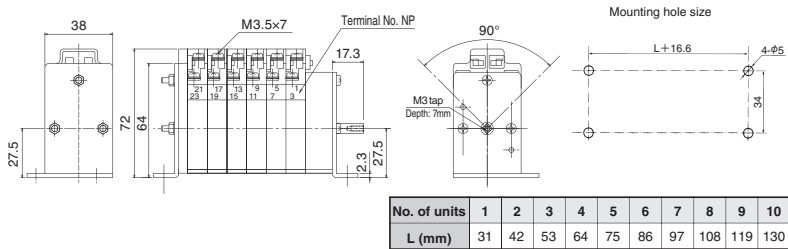
No. of units	1	2	3	4	5	6	7	8	9	10
L (mm)	36	49	62	75	88	101	114	127	140	153

CMZ

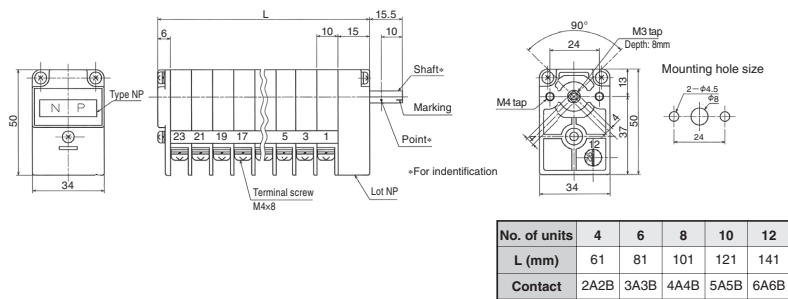


No. of units	1	2	3	4	5	6	7	8	9	10
L (mm)	34	49	64	79	94	109	124	139	154	169

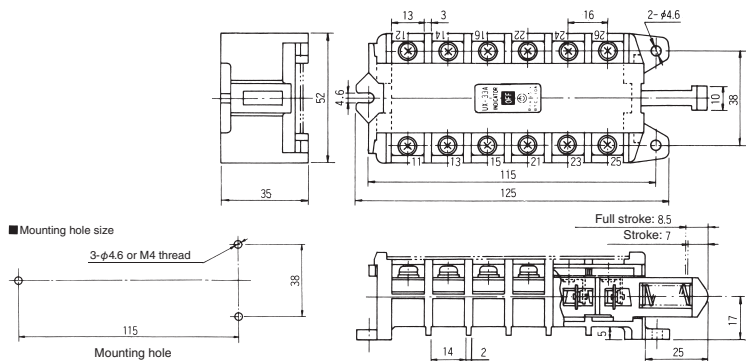
S-AUS



M-AUS



UX-33A



Indicator type

The ON / OFF status is shown by the indicator located at the center of the stage. This design ensures high reliability and safety as well as simple recognition.

● ON status → ● OFF status

