

# Catalogue No: XM30PB43P

## MCCB 85kA 3P 4A

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > Terasaki TemBreak 1 Moulded Case Circuit Breakers > XM30PB Motor Start MCCB



Representative Photo Only  
(actual product may vary based on configuration selections)

### TB1 XM30PB MCCB 85kA 4A 3P

- 1 or 3 phase motor starting MCCB, MCC applications
- Current limiting device, reduces fault let through energy for increased installation safety
- Complies to AS / NZS 60947-2, IEC 60947-2
- Panel mount standard with plug-in option
- Wide range of accessories for application flexibility
- 3 pole MCCB
- Compact 148 mm H, 103 mm D, 25 mm pole centres
- Fault rating; 85 kA  $I_{cu}$  @ 415 VAC
- 100%  $I_{cu}$  /  $I_{cs}$
- Utilisation ratings from 220 V to 525 VAC
- Hydraulic magnetic trip unit: fixed long time / fixed magnetic
- Trip units; 0.7, 1.4, 2.0, 2.6, 4.0, 5.0, 8.0, 10, 12 A

#### SPECIFICATIONS

Product Series	TemBreak 1 MCCB
Switching Poles	3P
Utilisation Category	A
Type of Power Supply	AC AC/DC
Component Type MCCB	MCCB AC
Model	XM
Frame Size	30 AF size
Rated Frequency	50 / 60 Hz
Connection Mode	Front Connection Plug-in UPX (Option)
Suitable for Distribution Switchboard or MCC	Yes
Trip Unit Rating	4 A
Trip Unit Protection Type	Fixed Hydraulic, Fixed Magnetic
Ue, Rated Operational Voltage, AC, max	525 V AC
Utilisation Voltage ( min - max)	220 V AC to 525 V AC
Uimp, Impulse Withstand Voltage	8 kV
Ui, Rated Insulation Voltage	690 V (rms)
In, Rated Current at 30°C	4 A @30°C
In, Rated Current at 40°C	4 A @40°C
In, Rated Current at 45°C	4 A @45°C
In, Rated Current at 50°C	4 A @50°C
Icm, Rated Short-Circuit Making Capacity, 440V AC	85 kA
Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947)	100 % $I_{cu}$
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 220/240V AC	125 kA @220/240VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 400/415V AC	85 kA @400/415VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC	85 kA @415VAC

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Icu, Rated Ultimate Short-Circuit Breaking Capacity, 440V AC	85 kA @440VAC
AC Power loss per pole at full rated current	2.33 W
Number of Poles	3
Depth (toggle included)	117 mm
Height	148 mm
Width	78 mm
Depth	102 mm
Weight	1.3 kg
Standard Installation Method	Front Connection
Dielectric Strength	2500 V AC
Electrical Life	10000 cycles
Mechanical Life	20000 cycles
Altitude, Operating (No Derating)	2000 m
Cable Cross Section (Min)	1.5 mm <sup>2</sup>
Cable Cross Section (Max)	16 mm <sup>2</sup>
Terminal Type	Screw Terminal(s)
Tightening Torque, Min	2.3 Nm
Tightening Torque, Max	2.8 Nm
Pollution Degree	3
DIN rail mounting with optional adapter	No
Suitable for Panel Mounting	Yes
Suitable for Mounting on Chassis	No
Withdrawable	No
Standards Compliance	AS/NZS 60947-2 EN 60947-2 IEC 60947-2 JIS C 8201-2-1 Ann.1
Rated temperature of trip unit	45 °C
Storage Temperature, Min	-10 °C min
Storage Temperature, Max	70 °C max
Operating Temperature, Min	-5 °C min
Operating Temperature, Max	60 °C max
Relative Humidity, Max	85 %RH
Hydraulic Trip Type	Fixed type
Magnetic Trip Type	Fixed type
General Accessories	Alarm Switch Auxiliary Switches Handle Operators Locking Devices Shunt Trip Terminal Covers Under Voltage Trip
Certifications	ASTA
Shipping Approvals	Contact NHP

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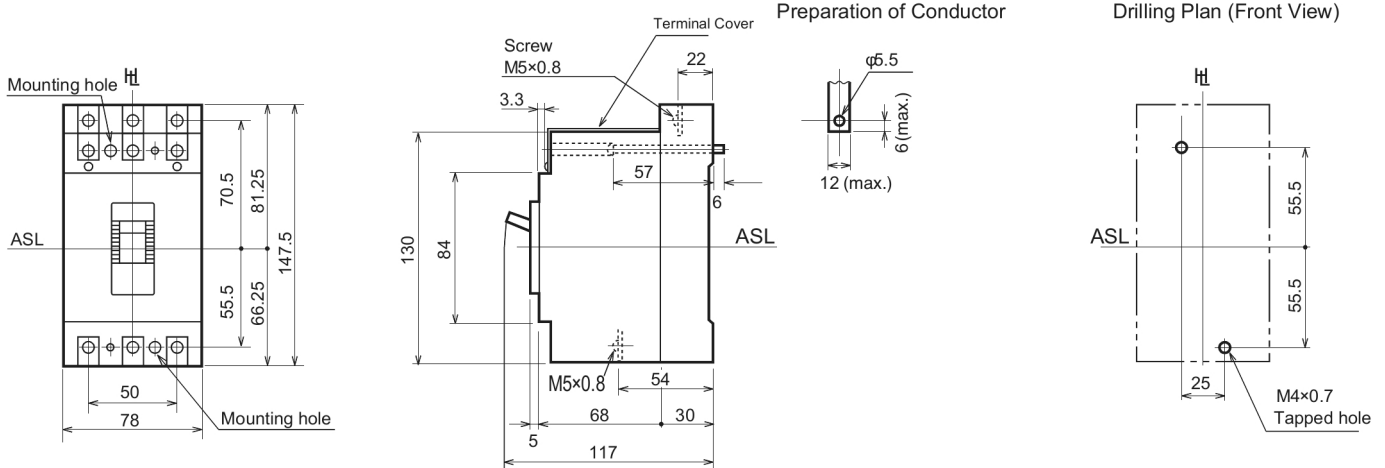
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REFERENCES	
IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-

Front connected



Dimension Diagram