

# Specifications



Photo is representative



## Eaton 263283

Eaton Moeller series xPole - PLN6 MCB.  
Miniature circuit breaker (MCB), 20 A, 1p+N,  
characteristic: C, DE

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller series xPole - PLN6 MCB
<b>CATALOG NUMBER</b>	263283
<b>MODEL CODE</b>	PLN6-C20/1N-DE
<b>EAN</b>	4015082632830
<b>PRODUCT LENGTH/DEPTH</b>	71 mm
<b>PRODUCT HEIGHT</b>	82 mm
<b>PRODUCT WIDTH</b>	17.6 mm
<b>PRODUCT WEIGHT</b>	0.13 kg
<b>COMPLIANCES</b>	RoHS conform
<b>GLOBAL CATALOG</b>	263283



Powering Business Worldwide

## Product specifications

<b>AMPERAGE RATING</b>	20 A
<b>FEATURES</b>	Concurrently switching N-neutral Additional equipment possible
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF</b>	Does not apply, since the

## Resources

	<a href="#">eaton-xpole-pln6-mcb-catalog-ca019073en-en-us.pdf</a>
CATALOGS	<a href="#">eaton-xpole-accessories-ca019015en-en-us.pdf</a> <a href="#">eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf</a>
DECLARATIONS OF CONFORMITY	<a href="#">eaton-mcb-declaration-of-conformity-eu250404en.pdf</a>
ECAD MODEL	<a href="#">DA-CE-ETN.PLN6-C20_1N-DE</a>
INSTALLATION INSTRUCTIONS	<a href="#">eaton-rccb-rcbo-g9-il019140zu.pdf</a>
MCAD MODEL	<a href="#">faz_pn_1pn.dwg</a> <a href="#">faz_pn_1pn.stp</a>

<b>PROTECTION OF ASSEMBLIES</b>	entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>POLLUTION DEGREE</b>	2
<b>DEGREE OF PROTECTION</b>	IP20
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>	3.7 W
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	4 kV
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	75 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>BUILT-IN DEPTH</b>	70.5 mm
<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b>	16 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b>	1 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX</b>	16 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN</b>	1 mm <sup>2</sup>

<b>CURRENT LIMITING CLASS</b>	3
<b>FREQUENCY RATING - MAX</b>	60 Hz
<b>FREQUENCY RATING - MIN</b>	50 Hz
<b>HEAT DISSIPATION CAPACITY</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>	0 W
<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	1
<b>VOLTAGE TYPE</b>	AC
<b>OVERVOLTAGE CATEGORY</b>	III
<b>RELEASE CHARACTERISTIC</b>	C
<b>SPECIAL FEATURES</b>	Ambient temperature hint: Starting at 55 °C a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
<b>NUMBER OF POLES (PROTECTED)</b>	1
<b>NUMBER OF POLES (TOTAL)</b>	2
<b>RATED INSULATION VOLTAGE (UI)</b>	440 V
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	20 A
<b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>	230 V
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V</b>	6 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V</b>	6 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V</b>	0 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V</b>	0 kA
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b>	0 W
<b>POWER LOSS</b>	4.9 W

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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**Eaton Corporation plc**  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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