

Circuit breaker, ETU, 250A, 50kA, 3p, screw terminal

Part no. **PDE23K0250B1NS**
PDE23K0250B1NS

General specifications		
Product name		Eaton Moeller series Power Defense molded case circuit-breaker
Part no.		PDE23K0250B1NS
EAN		9008790971525
Product Length/Depth		201 millimetre
Product height		89 millimetre
Product width		103 millimetre
Product weight		2.874 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 60947 IEC
Product Tradename		Power Defense
Product Type		Molded case circuit breaker
Product Sub Type		None
Delivery program		
Number of poles		Three-pole
Amperage Rating		250 A
Features		Motor drive optional Protection unit
Technical Data - Electrical		
Voltage rating		220 V - 440 V
Voltage rating (DC)		250 V
Rated insulation voltage (Ui)		690 V AC
Rated impulse withstand voltage (Uimp) at auxiliary contacts		4000 V
Rated impulse withstand voltage (Uimp) at main contacts		6000 V
Rated current (Iu)		250 A
Overload current setting (Ir) - min		63 A
Overload current setting (Ir) - max		250 A
Short delay current setting (Isd) - min		0 A
Short delay current setting (Isd) - max		0 A
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz		65 kA
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz		50 kA
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz		26 kA
Electrical connection type of main circuit		Screw connection
Number of operations per hour - max		120
Handle type		Rocker lever
Utilization category		A
Overvoltage category		III
Pollution degree		3
Direction of incoming supply		Vertical and 90° in all directions
Technical Data - Mechanical		
Mounting Method		Complete device in housing DIN rail (top hat rail) mounting optional
Degree of protection		IP2X
Number of auxiliary contacts (change-over contacts)		0
Number of auxiliary contacts (normally closed contacts)		0
Number of auxiliary contacts (normally open contacts)		0
Position of connection for main current circuit		Front side
Lifespan, mechanical		20000 operations

Technical Data - Mechanical - Terminals		
Standard terminals		Screw terminal
Design verification as per IEC/EN 61439 - technical data		
Ambient operating temperature - min		-20 °C
Ambient operating temperature - max		70 °C
Ambient storage temperature - min		-20 °C
Ambient storage temperature - max		70 °C

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/generator/installation protection (EC000228)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system protection (ecl@ss10.0.1-27-37-04-09 [AJZ716013])		
Rated permanent current I _u	A	250
Rated voltage	V	220 - 440
Rated short-circuit breaking capacity I _{cu} at 400 V, 50 Hz	kA	50
Overload release current setting	A	63 - 250
Adjustment range short-term delayed short-circuit release	A	0 - 0
Adjustment range undelayed short-circuit release	A	
Integrated earth fault protection		No
Type of electrical connection of main circuit		Screw connection
Device construction		Complete device in housing
Suitable for DIN rail (top hat rail) mounting		No
DIN rail (top hat rail) mounting optional		Yes
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		0
With switched-off indicator		No
With integrated under voltage release		No
Number of poles		3
Position of connection for main current circuit		Front side
Type of control element		Rocker lever
Complete device with protection unit		Yes
Motor drive integrated		No
Motor drive optional		Yes
Degree of protection (IP)		IP2X