Short-circuit protective breaker, lu 2.5 A, Irm 38.8 A, Screw terminals, Also suitable for motors with efficiency class IE3.



Part no. PKM0-2,5 072726

E3-rawly devices are identified by the logo on their packaging. Refer to catalog (A349010 E for the allocation of short circuit protection an centactor Positives & Functions	General specifications	
EON 4015800712202 Product Length Ubegish Product Length Ubegish Product Length Ubegish Product Length Ubegish Product World Product World Out Tradename Product Tradename	Product name	Eaton Moeller® series PKM0 Short-circuit protective breaker
Product LanghVDupth Product religit Sometiments Product religit Certifications Product religit Certifications Product Tradename Product Sulvye Short-circuit protective breaker Rocact Sulvye Catalog Notes Short-circuit protective breaker Product Sulvye Catalog Notes Short-circuit protective protection and protective device and protective protection and protective device protection and protective circuit breaker Product Catagory Protection Protection Sizable for Temperature compensation Quarter Protection Protection Protection Protection Sizable for Temperature compensation Allitude Max 2008 m Ambient sperature framer - max Ambient sperature generature (notased) - max Ambient sperature generature - min Ambient sperature generature (notased) - max Ambient sperature gene	Part no.	PKM0-2,5
Product treight Product treight Product treight Product treight Product treight Product Tradename Product Tradename Product Tradename Product Tradename Product Stype Prod	EAN	4015080727262
Product width Product weight Cartifications Cartifications Cartifications Cartifications Cartifications Product Tradename Product Type Short-circuit protective breaker Product Sub Type None Catalog Notes Catalog	Product Length/Depth	76 millimetre
Product Veright Certifications Product Tradename Product Sha Type Short circuit protective breaker Product Sha Type Pr	Product height	93 millimetre
Certifications Product Tardename Product Type Product Type Product Sob Type Catalog Notes Catalog No	Product width	45 millimetre
Product Tradename Product Tradename Product Tradename Product Tradename Product Sub Type Short-circuit protective breaker Product Sub Type Product Category III Pollution degree Product Category Profit Sub Product Category Produ	Product weight	0.287 kilogram
Product Type Product Sub Type Catalog Notes Catalog Catalog Notes Catalog Catalog Notes Catalog Catalog Notes Catalog	Certifications	
Product Sub Type Catalog Notes Cat	Product Tradename	PKM0
Catalog Notes Catalog Notes Catalog Notes Catalog Notes Recurrence Catalog Notes Catalog CASMODIC for the ellocation of short circuit protection an contactor Catalog Notes Catalo	Product Type	Short-circuit protective breaker
IE3-ready devices are identified by the logo on their packaging. Refer to catalog CASQA0TIDE for the allocation of short circuit protection an contactor Actuator type Actuator type Turn button Number of poles Connection Connection Connection Ogree of protection It290 Lifespan, electrical Lifespan,	Product Sub Type	None
Actuator type Number of poles Seneral information Connection Degree of protection Degree of protection Lifespan, electrical Lifespan, electrical Lifespan, mechanical Mounting position Operations Connection Operations O	Catalog Notes	Refer to catalog CA034001DE for the allocation of short circuit protection and
Number of poles Seneral information Connection Degree of protection Lifespan, electrical Lifespan, mechanical Mounting position Operating frequency Overvoltage category Pollution degree Product category Protection Rated impulse withstand voltage (Uimp) Shock resistance Suitable for Temperature compensation Suitable for Temperature compensation Altitude Ambient operating temperature - min Ambient operating temperature - min Ambient toperating temperature (enclosed) - max Ambient toperating temperature - min Ambient toperating temperature (enclosed) - max Ambient toperating temperature - min Ambient toperating temperature - min Ambient toperating temperature (enclosed) - max Ambient toperating temperature - min	eatures & Functions	
Connection Connec	Actuator type	Turn button
Connection Degree of protection Lifespan, electrical Lifespan, mechanical Mounting position Operating frequency Overvoltage category Product category Product category Protection Rated impulse withstand voltage (Uimp) Shock resistance Shock resistance Suitable for Temperature compensation Altitude Ambient operating temperature - min Ambient operating temperature	Number of poles	Three-pole
Degree of protection Lifespan, electrical Lifespan, mechanical Mounting position Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height. Operating frequency Overvoltage category III Pollution degree 3 Product category Motor protective circuit breaker Protection Finger and back-of-hand proof, Protection against direct contact when actuary from front IEN 50274) Rated impulse withstand voltage (Uimp) Shock resistance 25 g. Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 Suitable for Also metors with efficiency classe IE3 Temperature compensation 5 - 40 °C to IEC/EN 60047, VDE 0660 5 0.25 %/K. residual error for T > 40° -25 - 55 °C, Operating range Type Antitude Ambient operating temperature - min Abient operating temperature - min Ambient operating temperature - max Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient storage temperature - max Climatic proofing Climatic proofing Damp heat, cyclic, to IEC 60088-2-30	General information	
Lifespan, electrical Lifespan, electrical Lifespan, mechanical Mounting position Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height. Operating frequency Overvoltage category III Pollution degree Product category Motor protective circuit breaker Protection Finger and back-of-hand proof, Protection against direct contact when actt from fromt (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Sould be for Also motors with efficiency class IE3 Temperature compensation Type Short-circuit protective device only Simulatic environmental conditions Altitude Ambient operating temperature - max Abient operating temperature - max Abient operating temperature (enclosed) - mix Ambient storage temperature - max Damp heat, cyclic, to IEC 60068-2-30	Connection	Screw terminals
Lifespan, mechanical Mounting position Operating frequency Overvoltage category Pollution degree Product category Protection Rated impulse withstand voltage (Uimp) Shock resistance Suitable for Temperature compensation Type Type Short-circuit protective device only Type Ambient operating temperature - max Ambient storage temperature enclosed) - min Ambient storage temperature - min Ambient storage temperature - max Ambient storage temperature - max Climatic proofing Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height. Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height. 40 Operations/h Motor protective circuit breaker Finger and back-of-hand proof, Protection against direct contact when acts from from (EN 50274) 6000 V AC 6000 V AC 6000 V AC Also motors with efficiency class IE3 5 - 40 °C to IEC/EN 60947, VDE 6060 4.0 2.5 °C C Ambient storage temperature - min Ambient operating temperature (enclosed) - min Ambient storage temperature enclosed) - max 40 °C Ambient storage temperature - min Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Damp heat, cyclic, to IEC 60088-2-30	Degree of protection	
Mounting position Operating frequency Overvoltage category Pollution degree Product category Protection Rated impulse withstand voltage (Uimp) Shock resistance Suitable for Temperature compensation Temperature compensation Temperature compensation Abient operating temperature - min Ambient operating temperature (enclosed) - mix Ambient operating temperature e min Ambient operating temperature - mix Ambient storage temperature - mix Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height. 40 Operatings/h 40 Operations/h III Who operations/h Motor protective circuit breaker Finger and back-of-hand proof, Protection against direct contact when acts from from ft (EN 50274) Finger and back-of-hand proof, Protection against direct contact when acts from from ft (EN 50274) And beint protective circuit breaker Finger and back-of-hand proof, Protection against direct contact when acts when acts with efficiency class IE3 Altitude Also motors with efficiency class IE3 S- 40 °C to IEC/EN 60947, VDE 0660 \$-0.25 %/K, residual error for T > 40° \$-25 - 55 °C, Operating range What could be a contact when acts when acts with a contact when acts with efficiency class IE3 Altitude Max. 2000 m Ambient operating temperature - min Ambient operating temperature (enclosed) - mix 40 °C Ambient storage temperature - mix 40 °C Climatic proofing Damp heat, cyclic, to IEC 60088-2-30	Lifespan, electrical	100,000 operations
Operating frequency Overvoltage category III Pollution degree 3 Product category Motor protective circuit breaker Protection Finger and back-of-hand proof, Protection against direct contact when acts from front (EN 50274) Rated impulse withstand voltage (Uimp) 6000 V AC Shock resistance 25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 Suitable for Also motors with efficiency class IE3 Temperature compensation 7-40 °C to IEC/EN 60947, VDE 0660 < 0.0 25 %/K. residual error for T > 40° < 25 - 55 °C, Operating range Short-circuit protective device only Max. 2000 m Ambient operating temperature - min Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Ambient operating temperature - min Ambient storage temperature - min Ambient storage temperature - min Ambient storage temperature - max Ambient storage temperature - min Ambient storage temperature - max Ambient storage temperature - max Ambient storage temperature - max Ambient storage temperature - min Ambient storage temperature - max Ambient storage temperature - max Ambient operating temperature - min Ambient operating temperature - min Ambient operating temperature - max Ambient operating temperature - min Ambient operating temperature - min Ambient operating temperature - max Damp heat, cyclic, to IEC 60068-2-30	Lifespan, mechanical	100,000 Operations
Vervoltage category Pollution degree 3 Product category Protection Rated impulse withstand voltage (Uimp) Shock resistance Suitable for Temperature compensation Type Short-circuit protective device only Short-circuit protective device only Short-circuit protective device only Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Climatic proofing Damp heat, cyclic, to IEC 60088-2-30	Mounting position	Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
Pollution degree 3 3 Product category Motor protective circuit breaker Protection Finger and back-of-hand proof, Protection against direct contact when acts from front (EN 50274) Rated impulse withstand voltage (Uimp) 6000 V AC Shock resistance 25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 Suitable for Also motors with efficiency class IE3 Temperature compensation 5.0 4.0 °C to IEC/EN 6007 V AC Short-circuit protective device only Simatic environmental conditions Altitude Max. 2000 m Ambient operating temperature - min -25 °C Ambient operating temperature (enclosed) - min -25 °C Ambient operating temperature (enclosed) - max -25 °C Ambient storage temperature (enclosed) - max -25 °C Ambient storage temperature - min -25 °C Climatic proofing -25 °C Damp heat, cyclic, to IEC 60068-2-30	Operating frequency	40 Operations/h
Product category Production Rated impulse withstand voltage (Uimp) Shock resistance Suitable for Imperature compensation Suitable for Type Climatic environmental conditions Altitude Ambient operating temperature - max Ambient operating temperature (enclosed) - max Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max Ambient storage temperature - max Climatic proofing Damp heat, cyclic, to IEC 60088-2-30	Overvoltage category	III
Protection Finger and back-of-hand proof, Protection against direct contact when actu from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Suitable for Also motors with efficiency class IE3 Temperature compensation -5 - 40 °C to IEC/EN 60068-2-27, Half-sinusoidal shock 10 \$\frac{25}{5}\text{, residual error for T > 40^\text{ conditions}}{2.5 - 55 °C}, Operating range Type Short-circuit protective device only Hittude Anbient operating temperature - min Anbient operating temperature - max Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max But Protection against direct contact when actured to according to the storage temperature - min Ambient storage temperature - min Ambient storage temperature - max But Protection against direct contact when actured to according to the storage temperature - min Ambient storage temperature - min	Pollution degree	3
Rated impulse withstand voltage (Uimp) Shock resistance Suitable for Also motors with efficiency class IE3 Temperature compensation Type Short-circuit protective device only Short-operating temperature - min Ambient operating temperature (enclosed) - min Ambient storage temperature - min	Product category	Motor protective circuit breaker
Shock resistance 25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 Suitable for Also motors with efficiency class IE3 Temperature compensation 5- 40 °C to IEC/EN 60947, VDE 0660	Protection	Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)
Suitable for Temperature compensation Type Short-circuit protective device only Short-circuit protective device only Max. 2000 m Ambient operating temperature - max Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Damp heat, cyclic, to IEC 60068-2-30	Rated impulse withstand voltage (Uimp)	6000 V AC
Temperature compensation -5 - 40 °C to IEC/EN 60947, VDE 0660 < 0.25 %/K, residual error for T > 40° -25 - 55 °C, Operating range Type Short-circuit protective device only Altitude Max. 2000 m Ambient operating temperature - min Ambient operating temperature - max 55 °C Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max 40 °C Ambient storage temperature - max 80 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30	Shock resistance	25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
Short-circuit protective device only Climatic environmental conditions Altitude Ambient operating temperature - max Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient storage temperature - min Damp heat, cyclic, to IEC 60068-2-30	Suitable for	Also motors with efficiency class IE3
Altitude Max. 2000 m Ambient operating temperature - min -25 °C Ambient operating temperature - max 55 °C Ambient operating temperature (enclosed) - min 25 °C Ambient operating temperature (enclosed) - min 25 °C Ambient operating temperature (enclosed) - max 40 °C Ambient storage temperature - min 40 °C Ambient storage temperature - max 80 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30	Temperature compensation	≤ 0.25 %/K, residual error for T > 40°
Altitude Ambient operating temperature - min Ambient operating temperature - max 55 °C Ambient operating temperature (enclosed) - min 25 °C Ambient operating temperature (enclosed) - max 40 °C Ambient storage temperature - min 40 °C Ambient storage temperature - max 80 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30	Туре	Short-circuit protective device only
Ambient operating temperature - min Ambient operating temperature - max 55 °C Ambient operating temperature (enclosed) - min 25 °C Ambient operating temperature (enclosed) - max 40 °C Ambient storage temperature - min 40 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30	Climatic environmental conditions	
Ambient operating temperature - min Ambient operating temperature - max 55 °C Ambient operating temperature (enclosed) - min 25 °C Ambient operating temperature (enclosed) - max 40 °C Ambient storage temperature - min 40 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30	Altitude	Max. 2000 m
Ambient operating temperature - max Ambient operating temperature (enclosed) - min 25 °C Ambient operating temperature (enclosed) - max 40 °C Ambient storage temperature - min 40 °C Ambient storage temperature - max 80 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30	Ambient operating temperature - min	-25 °C
Ambient operating temperature (enclosed) - min 25 °C Ambient operating temperature (enclosed) - max 40 °C Ambient storage temperature - min 40 °C Ambient storage temperature - max 80 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30		
Ambient operating temperature (enclosed) - max Ambient storage temperature - min 40 °C Ambient storage temperature - max 80 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30		
Ambient storage temperature - min 40 °C Ambient storage temperature - max 80 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30		
Ambient storage temperature - max 80 °C Climatic proofing Damp heat, cyclic, to IEC 60068-2-30		
Climatic proofing Damp heat, cyclic, to IEC 60068-2-30	- '	
Damp heat, constant, to IEC 60068-2-78		

Terminal capacity (flexible with ferrule)	1 x (1 - 6) mm², ferrule to DIN 46228 2 x (1 - 6) mm², ferrule to DIN 46228
Terminal capacity (solid)	2 x (1 - 6) mm ² 1 x (1 - 6) mm ²
Terminal capacity (solid/stranded AWG)	18 - 10
Stripping length (main cable)	10 mm
Tightening torque	1.7 Nm, Screw terminals, Main cable 1 Nm, Screw terminals, Control circuit cables
Electrical rating	
Rated frequency - min	50 Hz
Rated frequency - max	60 Hz
Rated operational current (Ie)	2.5 A
Rated operational power at AC-3, 220/230 V, 50 Hz	0.37 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	0.75 kW
Rated operational power at AC-3, 440 V, 50 Hz	1.1 kW
Rated operational power at AC-3, 500 V, 50 Hz	1.1 kW
Rated operational power at AC-3, 690 V, 50 Hz	1.5 kW
Rated operational voltage (Ue) - min	690 V
Rated operational voltage (Ue) - max	690 V
Rated uninterrupted current (Iu)	2.5 A
Short-circuit rating	
Rated short-circuit breaking capacity Icu at 400 V AC	150 kA
Short-circuit release	Basic device fixed 15.5 x lu, Trip Blocks 38.8 A, Irm, Setting range max. ± 20% tolerance, Trip blocks
Switching capacity	
Switching capacity	2.5 A (3 contacts in series), DC-5 up to 250V 2.5 A, AC-3 up to 690 V
Frip blocks	
Overload release current setting - min	0 A
Overload release current setting - max	0 A
Design verification	
Equipment heat dissipation, current-dependent Pvid	5.16 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	1.72 W
Rated operational current for specified heat dissipation (In)	2.5 A
Static heat dissipation, non-current-dependent Pvs	0 W
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must lobserved.

10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Motor protection circuit-breaker (EC000074)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Motor protection circuit-breaker (ecl@ss13-27-37-04-01

[AGZ529021])	in technology / Gircu	IIT Dreaker (LV < 1 KV) / Motor protection circuit-breaker (eci@ss13-27-37-04-01
Overload release current setting	А	0 - 0
Adjustment range undelayed short-circuit release	Α	39 - 39
With thermal overload protection		No
Phase failure sensitive		No
Switch off technique		Magnetic
Rated operating voltage	V	690 - 690
Rated permanent current lu	А	2.5
Rated operation power at AC-3, 230 V	kW	0.37
Rated operation power at AC-3, 400 V	kW	0.75
Power loss	W	5.16
Type of electrical connection of main circuit		Screw connection
Type of control element		Turn button
Device construction		Built-in device fixed built-in technique
With integrated auxiliary switch		No
With integrated under voltage release		No
Number of poles		3
Rated short-circuit breaking capacity Icu at 400 V, AC	kA	150
Degree of protection (IP)		IP20
Height	mm	93
Width	mm	45
Depth	mm	76