## Motor-protective circuit-breaker, 440 V: 4 kW, Ir= 4 - 6.3 A, IP20



Part no. PKZM01-6,3-G 286086

Rated impulse withstand voltage (Uimp) 6000 V AC	General specifications	
Product Length/Depth   138 millimetre	Product name	Eaton Moeller® series PKZM01 Motor-protective circuit-breaker
Product Length Dupth Product Neight Product Select Name Product Trefename Product Select Name Product Trefename Product Select Name Product Catagory Product Name Product Catagory Product Catagory Product Catagory Product	Part no.	PKZM01-6,3-G
Product height Product visith Product visith Product visith Compliances Cerifications Product Type Product Type Product Type Motor-protective circuit-breaker None Certains Product Sulf Type None None None Certains Certains Cerifications Certains C	EAN	4015082860868
Product voidth Product voidth Defendence   159 Morgers   1	Product Length/Depth	158 millimetre
Product weight Compliances Certifications Certifica	Product height	80 millimetre
Cersifications Certalog Motes Certal	Product width	117 millimetre
EC B007 A-1   1.59 80	Product weight	0.59 kilogram
U. 1506 CSA Std. CZ.27 No. 14 VDE VDE VDE VDE SSA Std. CZ.27 No. 14 VDE	Compliances	CE Marked
Product Type Product Sub Type None Catalop Notes Features & Functions Actuator type Features & Plush button Plase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102) Fitted with: Operating membrane Functions Number of poles General information Connection Degree of protection Degree of protection Lifespan, mechanical Lifespan, mechanical Lifespan, mechanical Lifespan, mechanical Operating frequency Overvoltage category III Product estagory Motor protection III Product estagory Motor protection III Product estagory III Rodon of the English 90715 top-hat rail with 7.5 or 15 mm height. Shock resistance Suitable for Chimatic environmental conditions Altitude Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Ambient operating temperature - min Ambient operating temperature - min Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Ambient storage temperature - min Ambient storage t	Certifications	UL 508 CSA Std. C22.2 No. 14 VDE VDE 0660
Product Sub Type Catalog Notes Features & Functions  Actuator type Features & Push button Features & Phase-feature sensitivity (according to IEC/EN 80947-4-1, VDE 0860 Part 102) Fitted with: Functions Robert of poles General information Connection Urlespan, electrical Lifespan, electrical Lifespan, mechanical Mounting position Operating prequency Overvoltage category III Product category Product category Frinction Robert information Connection Consection Lifespan, mechanical Mounting position Operating frequency Overvoltage category III Robert Category Frinction Frinction Robert Category Robert Category Frinction Robert Category Robert Ca	Product Tradename	PKZM01
E3-ready devices are identified by the logo on their packaging.   Features   Push button	Product Type	Motor-protective circuit-breaker
Features & Functions  Actuator type Features Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102) Fitted with: Operating membrane Functions Montar protection Phase failure sensitivity Number of poles General information Connection Degree of protection Ulfaspan, electrical Lifespan, electrical Lifespan, electrical Lifespan, electrical So,000 operations (sat 400V, AC-3) Lifespan, mechanical Mounting position Querating frequency So Sperations/N Dovervoltage category III Pollution degree 3 Product category Motor protective circuit breaker Protection Finger and back-of-hand proof, Protection against direct contact when actual from front (EN 80274) Bated impulse withstand voltage (Ulimp) Shock resistance Sound Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Ambient operating temperature e - min Ambient storage temperature - min Ambient operating temperature e - min Ambient storage temperature - min Terminal capacities  Terminal capacity (floxible with ferrule)  1 x1 - 8 mm², ferrule to DIN 48228 1 x(1 - 8) mm², ferrule to DIN 48228 1 x(1 - 8) mm², ferrule to DIN 48228 1 x(1 - 8) mm², ferrule to DIN 48228 1 x(1 - 8) mm², ferrule to DIN 48228	Product Sub Type	None
Actuator type  Features  Features  Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)  Fitted with: Operating membrane  Functions  Motor protection Phase failure sensitivity Mumber of poles  General information  Connection Degree of protection Lifespan, electrical Lifespan, electrical Lifespan, mechanical Mounting position Can be snapped on to IEC/EN 60915 top-hat rail with 7.5 or 15 mm height.  Operating frequency Overvoltage category III Operating frequency Overvoltage category Protection Protection Read impulse withstand voltage (Uimp)  Shock resistance Suttable for Albitude Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Ambient operating temperature min Ambient operating temperature re min Ambient oper	Catalog Notes	IE3-ready devices are identified by the logo on their packaging.
Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)  Fitted with:  Functions  Motor protection  Number of poles  General information  Connection  Connection  Degree of protection  Lifespan, nechanical  Lifespan, nechanical  Mounting position  Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  Operating frequency  Operating requency  Devarding requency  Product category  III  Pollution degree  Product category  Product category  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuat from from t (EN 50274)  Rated impulse withstand voltage (Uimp)  Shock resistance  Suitable for  Also motors with efficiency class IE3  Climatic environmental conditions  Altitude  Ambient storage temperature (enclosed) - max  Ambient storage temperature emin  Ambient operating temperature (enclosed) - max  Ambient storage temperature emin  Ambient storage temperature max  Erminal capacity (flexible with ferrule)  Terminal capacity (solid)  Terminal capacity (solid)  Prominal capacity (solid)  Terminal capacity (solid)  Prominal capacity (solid)  Prominal capacity (solid)  Prominal capacity (solid)	Features & Functions	
Fitted with: Functions  Mator protection Phase failure sensitive  Three-pole  General information  Connection  Degree of protection  Lifespan, electrical  Lifespan, electrical  Lifespan, electrical  Lifespan, electrical  Lifespan, electrical  Mounting position  Can be snapped on to IEC/EN 80715 top-hat rail with 7.5 or 15 mm height.  Operating frequency  Overvoltage category  Ill  Pollution degree  Product category  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  Rated impulse withstand voltage (Uimp)  Shock resistance  Suitable for  Also motors with efficiency class IE3  Climatic environmental conditions  Alstude  Ambient toperating temperature enclosed) - min  Ambient operating temperature enclosed) - mix  Ambient storage temperature enclosed) - mix  Ambient storage temperature - mix  Ambient storage temperature - mix  Ambient storage temperature - mix  30 °C  Terminal capacity (flexible with ferrole)  1 x (1 - 8) mm², ferrule to DIN 45228  1 x (1 - 8) mm², ferrule to DIN 45228  1 x (1 - 8) mm², ferrule to DIN 45228  1 x (1 - 8) mm², ferrule to DIN 45228  1 x (1 - 8) mm², ferrule to DIN 45228  1 x (1 - 8) mm², ferrule to DIN 45228  1 x (1 - 8) mm², ferrule to DIN 45228  1 x (1 - 8) mm², ferrule to DIN 45228	Actuator type	Push button
Functions  Number of poles  General information  Connection  Degree of protection Lifespan, electrical Lifespan, electrical Lifespan, electrical So,000 operations (at 400V, AC-3) Lifespan, mechanical Operating frequency Overvoitage category Ill Pollution degree Product category Mottor protection Rated impulse withstand voltage (Uimp) Shock resistance Suitable for Climatic environmental conditions Altitude Ambient operating temperature (enclosed) - mix Ambient operating temperature (enclosed) - mix Ambient storage temperature - mix Ambient stora	Features	Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)
Number of poles  General 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  Climatic environmental conditions  Altitude Ambient operating temperature (enclosed) - min Ambient storage temperature - mix I reminal capacity (Solid)  Terminal capacity (Solid)  Terminal capacity (Solid)  Tipes  Screw terminals  Screw terminals  50,000 operations (at 400V, AC-3)  50,000 operations (mat complete source)  50,000 operations (Main conducting paths)  600 operations (Main conducting paths)  600 operations (Main conducting paths)  Mounting position  600 operations (Main conducting paths)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof,	Fitted with:	Operating membrane
General information  Connection  Screw terminals  Degree of protection  Lifespan, electrical  Lifespan, electrical  Department of protection  Lifespan, mechanical  Mounting position  Operating frequency  Overvoltage category  Prollution degree  Product category  Protection  Aste dimpulse withstand voltage (Uimp)  Shock resistance  Suitable for  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient storage temperature - mix  Ambient storage temperature (enclosed) - mix  Ambient storage temperature (enclosed) - mix  Ambient storage temperature temperature - mix  Ambient storage temperature temperature temperature - mix  Ambient storage temperature temperature - mix  Ambient storage temperature temperature - mix  Ambient storage temperature -	Functions	
Connection  Degree of protection  Lifespan, electrical  Lifespan, mechanical  Mounting position  Operating frequency  Overvoltage category  Prollution degree  Protection  Rated impulse withstand voltage (Uimp)  Shock resistance  Suitable for  Climatic environmental conditions  Allitude  Ambient operating temperature (enclosed) - min  Ambient storage temperature - mix  Ambient storage temperature - max  Terminal capacity (flexible with ferrule)  Terminal capacity (flexible with ferrule)  Lifespan, nectrical  50,000 operations (at 400V, AC-3)  50,000 operations (at 400V, AC-3)  50,000 operations (at 400V, AC-3)  50,000 operations (Main conducting paths)  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.  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.  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.  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.  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.  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.  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.  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.  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.  Can be snapped on to IEC/EN 60715 top-hat rail with 7	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  25 Operations/h  Overvoltage category  III  Pollution degree  3  Product category  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EM 50274)  Rated impulse withstand voltage (Uimp)  Solov VAC  Shock resistance  Suitable for  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Ambient storage temperature - max  80 °C  Terminal capacity (flexible with ferrule)  Terminal capacity (solid)  1 x (1 - 6) mm², ferrule to DIN 46228  Terminal capacity (solid)	General information	
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  25 Operations/h  Overvoltage category  III  Pollution degree  Product category  Protection  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  Rated impulse withstand voltage (Uimp)  Shock resistance  Suitable for  Also motors with efficiency class IE3  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient storage temperature (enclosed) - max  Ambient storage temperature - min  Ambient storage temperature - max  Terminal capacity (flexible with ferrule)  Terminal capacity (flexible with ferrule)  Terminal capacity (solid)  50,000 Operations (At 400V, AC-3)  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.  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.  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.  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.  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.  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.  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.  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.  Can be snapped on to IEC/EN 60715 top-hat ra	Connection	Screw terminals
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  Pollution degree  Product category  Protection  Rated impulse withstand voltage (Uimp)  Shock resistance  Suitable for  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient storage temperature (enclosed) - max  Ambient storage temperature - min  Ambient storage temperature - max  Terminal capacities  Terminal capacity (solid)  Terminal capacity (solid)  50,000 Operations (Main conducting paths)  Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  25 Operations/h  III  80,000 Operations (Main conducting paths)  Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  25 Operations/h  Mount IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  25 Operations/h  Mount IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  25 Operations/h  Mount IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  25 Operations/h  Mount IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  26 Operations/h  Mount IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  26 Operations/h  Mount Protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actual from from (EN 50274)  6000 V AC  Also motors with efficiency class IE3  Max. 2000 m  Associated and Proof Protective circuit breaker  Max. 2000 m  Associated and Proof Protective circuit breaker  Also motors with efficiency class IE3  Altitude  Max. 2000 m  Associated and Proof Protection against direct contact when actual from from (EN 50274)  Also motors with efficiency class IE3  Altitude  Max. 2000 m  Associated and Proof Protection against direct contact when actual from from from (EN 50274)  Also motors with efficiency class IE3  Altitude  Also motors with effi	Degree of protection	IP65
Mounting position  Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  Operating frequency  Overvoltage category  Pollution degree  3  Product category  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actual from front (EN 50274)  Rated impulse withstand voltage (Uimp)  Rated impulse withstand voltage (Uimp)  Shock resistance  Suitable for  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Ambient storage temperature - min  Ambient storage temperature - max  Terminal capacity (flexible with ferrule)  Terminal capacity (flexible with ferrule)  Terminal capacity (solid)  Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.  25 Operations/h  III  Amount of IEC/EN 600715 top-hat rail with 7.5 or 15 mm height.  26 Departions/h  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actual from front (EN 50274)  6000 V AC  25 g, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms Also motors with efficiency class IE3  Max. 2000 m  40 °C  Ambient operating temperature (enclosed) - max  40 °C  Ambient storage temperature - min  Ambient storage temperature - max  80 °C  Terminal capacity (flexible with ferrule)  1 × (1 - 6) mm², ferrule to DIN 46228  1 × (1 - 6) mm², ferrule to DIN 46228	Lifespan, electrical	50,000 operations (at 400V, AC-3)
Operating frequency Overvoltage category Pollution degree 3 Product category Motor protective circuit breaker Frotection Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  Rated impulse withstand voltage (Uimp) 6000 V AC Shock resistance Suitable for Also motors with efficiency class IE3  Climatic environmental conditions Altitude Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max  Terminal capacity Terminal capacity (flexible with ferrule)  Terminal capacity (solid)  Terminal capacity (solid)  1 x (1 - 6) mm², ferrule to DIN 46228 Terminal capacity (solid)	Lifespan, mechanical	50,000 Operations (Main conducting paths)
Overvoltage category Pollution degree Product category Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from front (EN 50274) Protection against direct contact when actuat from fr	Mounting position	Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
Product category  Product category  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  Rated impulse withstand voltage (Uimp)  Shock resistance  Suitable for  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Ambient storage temperature - min  Ambient storage temperature - max  Ferminal capacity (flexible with ferrule)  Terminal capacity (flexible with ferrule)  Terminal capacity (solid)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  Motor protective circuit breaker  About protective circuit breaker  Max. 2000 m  Ans. 2000 m  40 °C  Ambient storage temperature - min  40 °C  Ambient storage temperature - max  80 °C  Ferminal capacity (flexible with ferrule)  1 × (1 - 6) mm², ferrule to DIN 46228  1 × (1 - 6) mm² ferrule to DIN 46228  1 × (1 - 6) mm²	Operating frequency	25 Operations/h
Product category  Protection  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  Rated impulse withstand voltage (Uimp)  6000 V AC  Shock resistance  Suitable for  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Ambient storage temperature (enclosed) - max  Ambient storage temperature - min  Ambient storage temperature - max  Terminal capacity (flexible with ferrule)  Terminal capacity (flexible with ferrule)  Terminal capacity (solid)  Motor protective circuit breaker  Finger and back-of-hand proof, Protection against direct contact when actuat from front (EN 50274)  6000 V AC  25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms  Also motors with efficiency class IE3  Max. 2000 m  40° C	Overvoltage category	III
Protection  Finger and back-of-hand proof, Protection against direct contact when actuat from from (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 ms  Also motors with efficiency class IE3  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  40 °C  Ambient storage temperature - min  Ambient storage temperature - max  Ferminal capacities  Terminal capacity (flexible with ferrule)  2 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm² ferrule to DIN 46228 1 x (1 - 6) mm² ferrule to DIN 46228	Pollution degree	3
From front (EN 50274)  Rated impulse withstand voltage (Uimp)  Shock resistance  Suitable for  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient storage temperature - min  Ambient storage temperature - max  Terminal capacity (flexible with ferrule)  Terminal capacity (flexible with ferrule)  From front (EN 50274)  6000 V AC  25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms  Also motors with efficiency class IE3  Max. 2000 m  Also motors with efficiency class IE3  Also motors with	Product category	Motor protective circuit breaker
Shock resistance  Suitable for  Also motors with efficiency class IE3  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Ambient storage temperature - min  Ambient storage temperature - max  Terminal capacities  Terminal capacity (flexible with ferrule)  Terminal capacity (solid)  25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms  Also motors with efficiency class IE3  Max. 2000 m  25 ° C  40 ° C  80 ° C  Terminal capacities  Terminal capacities  Terminal capacity (flexible with ferrule)  1 x (1 - 6) mm², ferrule to DIN 46228  1 x (1 - 6) mm², ferrule to DIN 46228  1 x (1 - 6) mm², ferrule to DIN 46228	Protection	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
Suitable for  Climatic environmental conditions  Altitude  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Ambient storage temperature - min  Ambient storage temperature - max  Ambient storage temperature - max  Terminal capacities  Terminal capacity (flexible with ferrule)  Terminal capacity (flexible with ferrule)  Also motors with efficiency class IE3  Max. 2000 m  40 °C  40 °C  2 × (1 - 6) mm², ferrule to DIN 46228 1 × (1 - 6) mm², ferrule to DIN 46228 1 × (1 - 6) mm², ferrule to DIN 46228	Rated impulse withstand voltage (Uimp)	
Altitude  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Ambient storage temperature - min  Ambient storage temperature - max  Terminal capacities  Terminal capacity (flexible with ferrule)  Terminal capacity (solid)  Terminal capacity (solid)  Max. 2000 m  40 °C  40 °C  40 °C  2 × (1 - 6) mm², ferrule to DIN 46228 1 × (1 - 6) mm², ferrule to DIN 46228 1 × (1 - 6) mm²		25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
Altitude  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  Terminal capacities  Terminal capacity (flexible with ferrule)  2 × (1 - 6) mm², ferrule to DIN 46228 1 × (1 - 6) mm², ferrule to DIN 46228 1 × (1 - 6) mm²		Also motors with efficiency class IE3
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  Terminal capacities  Terminal capacity (flexible with ferrule)  2 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm², ferrule to DIN 46228  1 x (1 - 6) mm²	Climatic environmental conditions	
Ambient operating temperature (enclosed) - max  40 °C  Ambient storage temperature - min  40 °C  Ambient storage temperature - max  80 °C  Terminal capacities  Terminal capacity (flexible with ferrule)  2 × (1 - 6) mm², ferrule to DIN 46228 1 × (1 - 6) mm², ferrule to DIN 46228 1 × (1 - 6) mm²	Altitude	Max. 2000 m
Ambient storage temperature - min  Ambient storage temperature - max  80 °C  Terminal capacities  Terminal capacity (flexible with ferrule)  2 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm², ferrule to DIN 46228  1 x (1 - 6) mm²	Ambient operating temperature (enclosed) - min	25 °C
Ambient storage temperature - max  Terminal capacities  Terminal capacity (flexible with ferrule)  2 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm²	Ambient operating temperature (enclosed) - max	40 °C
Terminal capacities  Terminal capacity (flexible with ferrule)  2 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm²	Ambient storage temperature - min	40 °C
Terminal capacity (flexible with ferrule)  2 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm², ferrule to DIN 46228  Terminal capacity (solid)  1 x (1 - 6) mm²	Ambient storage temperature - max	0° C S c c c c c c c c c c c c c c c c c c
Terminal capacity (solid)  1 x (1 - 6) mm², ferrule to DIN 46228  1 x (1 - 6) mm²	Ferminal capacities	
Terminal capacity (solid) $1 \times (1 - 6) \text{ mm}^2 \\ 2 \times (1 - 6) \text{ mm}^2$	Terminal capacity (flexible with ferrule)	2 x (1 - 6) mm², ferrule to DIN 46228 1 x (1 - 6) mm², ferrule to DIN 46228
	Terminal capacity (solid)	1 x (1 - 6) mm <sup>2</sup> 2 x (1 - 6) mm <sup>2</sup>

Terminal capacity (solid/stranded AWG)	18 - 10
Stripping length (main cable)	10 mm
Tightening torque	1.7 Nm, Screw terminals, Main cable
Electrical rating	
Rated frequency - min	50 Hz
Rated frequency - max	60 Hz
Rated operational current (le)	6.3 A
Rated operational power at AC-3, 220/230 V, 50 Hz	0.09 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	0.12 kW
Rated operational power at AC-3, 440 V, 50 Hz	3 kW
Rated operational voltage (Ue) - min	690 V
Rated operational voltage (Ue) - max	690 V
Rated uninterrupted current (Iu)	0.63 A
Short-circuit rating	
Rated short-circuit breaking capacity Icu at 400 V AC	50 kA
Short-circuit current	60 kA DC, up to 250 V DC, Main conducting paths
Short-circuit release	97.7 A, Irm, Setting range max. Basic device fixed 15.5 x lu, Trip Blocks ± 20% tolerance, Trip blocks
Switching capacity	
Switching capacity  Trip blocks	6.3 A (3 contacts in series), DC-5 up to 250V 6.3 A, AC-3 up to 440 V
Overload release current setting - min	4 A
Overload release current setting - max	6.3 A
Tripping characteristic	Overload trigger: tripping class 10 A
Design verification	Ordinate anggon an ppg states 1011
Equipment heat dissipation, current-dependent Pvid	5.68 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	1.89 W
Rated operational current for specified heat dissipation (In)	6.3 A
Static heat dissipation, non-current-dependent Pvs	0.5 A
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.
10.3 Degree of protection of assemblies  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 be observed.
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])					
Į.	A	4 - 6.3			
Į.	A	98 - 98			
		No			
		Yes			
		Thermomagnetic			
\	V	690 - 690			
A	А	0.63			
k	kW	0.09			
k	kW	0.12			
١	W	5.68			
		Screw connection			
		Push button			
		Complete device in housing			
		No			
		No			
		3			
k	kA	50			
		IP65			
r	mm	80			
r	mm	117			
r	mm	158			
		A A V A kW W W			