DATASHEET - PKZM0-2,5-SPI16

Motor-protective circuit-breaker, 0.75 kW, 1.6 - 2.5 A, Feed-side screw terminals/output-side push-in terminals



Part no.	PKZM0-2,5-SPI16
	199183
EL Number	4312276
(Norway)	

General specifications

General specifications	
Product name	Eaton Moeller® series PKZM0 Motor-protective circuit-breaker
Part no.	PKZM0-2,5-SPI16
EAN	4015081972678
Product Length/Depth	75 millimetre
Product height	94 millimetre
Product width	45 millimetre
Product weight	0.292 kilogram
Certifications	VDE 0660 IEC/EN 60947 UL Category Control No.: NLRV UL IEC/EN 60947-4-1 CE UL File No.: E36332 CSA UL 60947-4-1 CSA File No.: 165628 CSA-C22.2 No. 60947-4-1-14 CSA Class No.: 3211-05
Product Tradename	PKZM0
Product Type	Motor-protective circuit-breaker
Product Sub Type	None
Catalog Notes	IE3-ready devices are identified by the logo on their packaging.
Features & Functions	
Actuator type	Turn button
Features	Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)
Functions	Phase failure sensitive Motor protection
Number of poles	Three-pole
General information	
Connection	Screw terminals on feed side Push-in terminals on output side
Degree of protection	IP20 Terminals: IP00
Lifespan, electrical	100,000 operations
Lifespan, mechanical	100,000 Operations
Mounting position	Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
Operating frequency	40 Operations/h
Overvoltage category	III III
Pollution degree	3
Product category	Motor protective circuit breaker
Protection	Finger and back-of-hand proof, Protection against direct contact when actuate 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 ms
Suitable for	Also motors with efficiency class IE3 Branch circuit: Manual type E if used with terminal, or suitable for group installations, (UL/CSA)
Temperature compensation	-25 - 55 °C, Operating range -5 - 40 °C to IEC/EN 60947, VDE 0660 ≤ 0.25 %/K, residual error for T > 40°
Climatic environmental conditions	
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) - max	40 °C
Ambient storage temperature - min	-40 °C
Ambient storage temperature - max	80 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Terminal capacities	
Terminal capacity (flexible with ferrule)	1 x (1 - 6) mm ² , Screw terminals 2 x (1 - 6) mm ² , Screw terminals 1 x (0.5 - 2.5) mm ² , Push-in terminals, ferrule to DIN 46228-1 2 x (0.5 - 2.5) mm ² , Push-in terminals, ferrule to DIN 46228-1 1 x (0.5 - 1.5) mm ² , Push-in terminals, ferrule to DIN 46228-4 2 x (0.5 - 1.5) mm ² , Push-in terminals, ferrule to DIN 46228-4
Terminal capacity (flexible)	1 x (0.5 - 2.5) mm², Push-in terminals 2 x (0.5 - 2.5) mm², Push-in terminals
Terminal capacity (solid)	1 x (0.5 - 2.5) mm², Push-in terminals 2 x (0.5 - 2.5) mm², Push-in terminals
Terminal capacity (solid/stranded AWG)	18 - 10, screw terminals 20 - 14, Push-in terminals
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)	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 voltage (Ue) - min	690 V
Rated operational voltage (Ue) - max	690 V
Rated uninterrupted current (lu)	2.5 A
Short-circuit rating	
Rated short-circuit breaking capacity Icu at 400 V AC	150 kA
Rated short-circuit breaking capacity Ics at 400 V AC	150 kA
Rated short-circuit breaking capacity Icu at 440 V AC	150 kA
Rated short-circuit breaking capacity Ics at 440 V AC	150 kA
Rated short-circuit breaking capacity Icu at 500 V AC	150 kA
Rated short-circuit breaking capacity Ics at 500 V AC	150 kA
Rated short-circuit breaking capacity Icu at 690 V AC	5 kA
Rated short-circuit breaking capacity Ics at 690 V AC	5 kA
Short-circuit current rating (group protection)	50 kA, 600 V High Fault, Fuse, SCCR (UL/CSA) with 600 A, 600 V High Fault, Fuse, SCCR (UL/CSA) 50 kA, 600 V High Fault, CB, SCCR (UL/CSA) with 600 A, 600 V High Fault, CB, SCCR (UL/CSA)
Short-circuit current rating (type E)	50 kA, 600 Y/347 V, SCCR (UL/CSA) 65 kA, 240 V, SCCR (UL/CSA) 65 kA, 480 Y/277 V, SCCR (UL/CSA)
Short-circuit release	38.8 A, Irm, Setting range max. Basic device fixed 15.5 x lu, Trip Blocks ± 20% tolerance, Trip blocks
Switching capacity	
Switching capacity	2.5 A, AC-3 up to 690 V
Motor rating	
Assigned motor power at 200/208 V, 60 Hz, 3-phase	0.5 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase	0.17 HP
Assigned motor power at 230/240 V, 60 Hz, 3-phase	0.5 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase	1 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase	1.5 HP
Contacts	
Number of auxiliary contacts (change-over contacts)	0

Number of auxiliary contacts (normally open contacts) Image: Contact (normally open contacts) Trip blocks 25 A Overload release current setting - min 25 A During release current setting - min 0 Design verification 0 Equipment heat dissiption current-dependent Pvid 0 Heat dissiption current-dependent Pvid 0 102.2 Urrelication of thermal stability of enclosures 0 102.3 Urrelication of thermal stability of enclosures 0 102.3 Urrelication of thermal stability of enclosures 0 102.4 Stability of thermal stability of enclosures 0 102.5 Urrelication of thermal stability of enclosures 0 102.5 Urrelication of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.5 Urrelication of assiching an attrais to normal heat Meets the product standard's requirements. 102.5 Urrelication of assiching an discurse Meets the product standard's requirements.	Number of auxiliary contacts (normally closed contacts)	0
Overload release current setting - min 25 A Overload release current setting - max 25 A Tripping characteristic 25 A Design verification 50 Verload trigger: tripping class 10 A Design verification 516 W Heat dissipation, current-dependent Pvid 516 W Heat dissipation, current-dependent Pvid 0W Static heat dissipation, current-dependent Pvid 0W 102.21 Verification of thermal stability of onclosures Meets the product standard's requirements. 102.31 Verification of thermal stability of onclosures Meets the product standard's requirements. 102.32 Verification of thermal stability of nelosures Meets the product standard's requirements. 102.32 Verification of thermal stability of nelosures Meets the product standard's requirements. 102.32 Verification of thermal stability of nelosures Meets the product standard's requirements. 102.42 Resistance to ultra-violet (UV) radiation Does not apply, since the entire switchger needs to be avaluated. 102.5 Uring Does not apply, since the entire switchger needs to be avaluated. 102.5 Uring Does not apply, since the entire switchger needs to be avaluated. 102.6 Meetrical inspact Does not apply, since the entir	Number of auxiliary contacts (normally open contacts)	0
Overload release current setting - min 25 A Overload release current setting - max 25 A Tripping characteristic 25 A Design verification 50 Verload trigger: tripping class 10 A Design verification 516 W Heat dissipation, current-dependent Pvid 516 W Heat dissipation, current-dependent Pvid 0W Static heat dissipation, current-dependent Pvid 0W 102.21 Verification of thermal stability of onclosures Meets the product standard's requirements. 102.31 Verification of thermal stability of onclosures Meets the product standard's requirements. 102.32 Verification of thermal stability of nelosures Meets the product standard's requirements. 102.32 Verification of thermal stability of nelosures Meets the product standard's requirements. 102.32 Verification of thermal stability of nelosures Meets the product standard's requirements. 102.42 Resistance to ultra-violet (UV) radiation Does not apply, since the entire switchger needs to be avaluated. 102.5 Uring Does not apply, since the entire switchger needs to be avaluated. 102.5 Uring Does not apply, since the entire switchger needs to be avaluated. 102.6 Meetrical inspact Does not apply, since the entir	Trip blocks	
Overoid release current setting - max 25 A Tripping characteristic Overload trigger: tripping class 10 A Equipment heat dissipation, current-dependent Pvid 5.16 W Heat dissipation, carrent-dependent Pvid 0W Its sipation, non-current-dependent Pvid 0W 102.22 Corrosion resistance 0W 102.23 Verification of festimal stability of enclosures 0W 102.23 Verification of festimal stability of enclosures Meets the product standard's requirements. 102.24 Verification of resistance of insulating materials to normal heat Notes the product standard's requirements. 102.24 Verification of resistance to ultra-violet (UV) radiation Meets the product standard's requirements. 102.25 Urifing Does not apply, since the entire switchgear needs to be evaluated. 102.26 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated. 102.3 Resist of sugness and cregage distances Does not apply, since the entire switchgear needs to be evaluated. 103.26 protection of sasemblies Does not apply, since the entire switchgear needs to be evaluated. 103.27 Internal electric shock Does not apply, since the entire switchgear needs to be evaluated. 103.27 Internal electric shock Does not apply, since the entire		2.5 A
Tripping characteristic Overload trigger: tripping class 10 A Equipment heat dissipation, current-dependent Pvid 5.16 W Heat dissipation, carrent-dependent Pvid 0W Static heat dissipation, current-dependent Pvid 0W 102.2 Corrosion resistance 0W 102.2.1 Verification of tremal stability of enclosures 0W 102.2.2 Verification of resistance dinsulating materials to normal heat Meets the product standard's requirements. 102.2.3 Verification of tresistance dinsulating materials to normal heat Meets the product standard's requirements. 102.2.3 Verification of resistance dinsulating materials to normal heat Meets the product standard's requirements. 102.4.2 Verification of resistance dinsulating materials to normal heat Meets the product standard's requirements. 102.4.2 Static and dissociation of resistance dinsulating materials to normal heat Meets the product standard's requirements. 102.4.2 Static and dissociation of resistance dinsulating materials to normal heat Meets the product standard's requirements. 102.4.2 Static and dissociation of resistance dinsulating materials to normal heat Meets the product standard's requirements. 102.4.2 Static and dissociation of switcheful (V) radiation Does not apply, since the entire switchgear needs to be evaluated. 102.5.1 Stri	•	
Design verification Image: Construct State S		
Equipment heat dissipation, current-dependent Pvid 5.16 W Heat dissipation, capacity Pdiss 0W Heat dissipation, non-current-dependent Pvid 0W 102.2 Corrosion resistance 0W 102.2 Corrosion resistance 0W 102.2 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3.1 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.2.3 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.3 Legiting Does not apply, since the entire switchgear needs to be evaluated. 102.4 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements. 102.3 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 102.4 Resistances Meets the product standard's requirements. 103.2 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 104 Clearan		
Hat dissipation capacity Pdiss Image: Current-dependent Pvid Image: Current-dependent Pvid Heat dissipation, non-current-dependent Pvid Image: Current-dependent Pvid Image: Current-dependent Pvid 102.2 Corrosion resistance Image: Current-dependent Pvid Image: Current-dependent Pvid 102.2.1 Verification of resistance of insulating materials to normal heat Image: Current-dependent Pvid Image: Current-dependent Pvid 102.3.2 Verification of resistance of insulating materials to normal heat Image: Current-dependent Pvid Image: Current-dependent Pvid 102.3.2 Verification of resistance of insulating materials to normal heat Image: Current-dependent Pvid Image: Current-dependent Pvid 102.3.2 Verification of resistance of insulating materials to normal heat Image: Current-dependent Pvid Image: Current-dependent Pvid 102.3 Resist of insul. nat.1 cohonraml heat/fire by internal elect. effects Image: Current-dependent Pvid Image: Current-dependent Pvid 102.4 Resistance to ultra-violet (UV) radiation Image: Current-dependent Pvid Image: Current-dependent Pvid Image: Current-dependent Pvid 102.5 Lifting Image: Current-dependent Pvid Image: Current-dependent Pvid <td>•</td> <td>5 16 W</td>	•	5 16 W
Heat dissipation per pole, current-dependent Pvid Static heat dissipation, on-current-dependent Pvs 0 W Static heat dissipation, non-current-dependent Pvs 0 0 U Static heat dissipation, non-current-dependent Pvs 0 0 U Static heat dissipation, non-current-dependent Pvs 0 0 U Static heat dissipation of termal stability of enclosures 0 0 2.2 Verification of termal stability of enclosures 0 0 2.3 Resist of insul. mat to abnormal heat 0 2.3 Resist of insul. mat to abnormal heat 0 2.3 Resist of insul. mat to abnormal heat 0 2.3 Resist of insul. mat to abnormal heat 0 2.3 Resist of insul. mat to abnormal heat 0 2.3 Resist of insul. mat to abnormal heat 0 2.3 Resist of insul. mat to abnormal heat 0 2.3 Resist of insul. mat to abnormal heat 0 2.4 Resist he product standard's requirements. 0 0 2.5 Uriting 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Static heat dissipation, non-current-dependent Pvs 0 102.2 Corrosion resistance 0 102.2 Corrosion resistance 0 102.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.3.3 Resist, of insul, mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 102.4 Resistance to ultra-violet (UV) rediation Dees not apply, since the entire switchgear needs to be evaluated. 102.5 Recharical impact. Dees not apply, since the entire switchgear needs to be evaluated. 103.1 Sprotection against electric shock Dees not apply, since the entire switchgear needs to be evaluated. 104.6 Incorporation of switching devices and components Dees not apply, since the entire switchgear needs to be evaluated. 104.7 Internal electrical incurts Dees not apply, since the entire switchgear needs to be evaluated. 105.7 Internal electrical incurts Dees not apply, since the entire switchgear needs to be evaluated. 105.8 Protection against electric strength Dees not apply, since the entire switchgear needs to be evaluated. 105.9 Internal electrical incurts Dees not apply, since the entire switchgear needs to be evaluated.		
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 Dees not apply, since the entire switchgear needs to be evaluated. 10.2.5 Lifting Dees not apply, since the entire switchgear needs to be evaluated. 10.2.5 Lifting Dees not apply, since the entire switchgear needs to be evaluated. 10.2.5 Lifting Dees not apply, since the entire switchgear needs to be evaluated. 10.2.6 Meetarine all extrictions of assemblies Dees not apply, since the entire switchgear needs to be evaluated. 10.3 Derotection against electric stock Dees not apply, since the entire switchgear needs to be evaluated. 10.5 Protection against electric storegth Dees not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Dees not apply, since the entire switchgear needs to be evaluated. 10.8.2 Power-frequency electric strength Is the panel builder's responsibility		
102.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.3.3 Resist. of insul. mat to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 102.4 Resistance to ultra-violet (UV) radiation Does not apply, since the entire switchgear needs to be evaluated. 102.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 102.1 Inscriptions Meets the product standard's requirements. 103.2 Degree of protection of assemblies Meets the product standard's requirements. 104.2 Inscriptions Does not apply, since the entire switchgear needs to be evaluated. 104.2 Inscription against electric shock Meets the product standard's requirements. 104.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 105.1 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 108.2 Demoetions of restrand conductors Is the panel builder's responsibility. 108.2 Demoetions for external conductors Is the panel builder's responsibility. 109.3 Impulse withstand voltage Is the panel builder's responsibility. 109.4 Testing of en		
10.2.32 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.2.33 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 Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Lifting 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. 10.5 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. 10.8.2 Power-frequency electric strength 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. 10.9.1 Temmare rise Is the panel builder's responsibility. 10.9.2 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed.		
10.2.3.3 Resist. of insul. mat. to abnormal headtfire 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. 10.8.2 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 Festing of enclosures made of insulating material Is the panel builder's responsibility. 10.9.1 Temperature rise Is the panel builder's responsibility. 10.10 Temperature rise Is the panel builder's responsibility. 10.11 Short-circuit rating Is the panel builder's responsibility. The s		
10.24 Resistance to ultra-violet (UV) radiationMeets the product standard's requirements.10.25 LiftingDoes not apply, since the entire switchgear needs to be evaluated.10.26 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.10.27 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electric at circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction	-	
102.5 LiftingDees not apply, since the entire switchgear needs to be evaluated.102.6 Mechanical impactDees not apply, since the entire switchgear needs to be evaluated.102.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDees not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDees not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDees not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsDees not apply, since the entire switchgear needs to be evaluated.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.3.3 Impulse withstand voltageIs the panel builder's responsibility.10.13 Mechanical functionIs the panel builder's responsibility.10.13 Mechanical compatibility.Is the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.		
10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.10.2.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction		
10.2.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction	•	
10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction	· · · · · · · · · · · · · · · · · · ·	
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. 10.10 Temperature rise Is the panel builder's responsibility. 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		
10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.		
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's responsibility. 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		
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 Is the panel builder is responsibility. 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	•	
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 Is the panel builder's responsibility. 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, provide the information in the instruction	10.7 Internal electrical circuits and connections	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 Is the panel builder's responsibility. 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, provide the information in the instruction	10.8 Connections for external conductors	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 Is the panel builder's responsibile 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, provide the information in the instruction	10.9.2 Power-frequency electric strength	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, provide the information in the instruction	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.11 Short-circuit rating Image: Compatibility of the sector of the		
Intersection Intersection Intersection 10.12 Electromagnetic compatibility Intersection Intersection 10.13 Mechanical function Intersection Intersection	10.10 Temperature rise	
10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating	
	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function	

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])

Overload release current setting	А	2.5 - 2.5
Adjustment range undelayed short-circuit release	А	39 - 39
With thermal overload protection		No
Phase failure sensitive		Yes
Switch off technique		Thermomagnetic
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-/spring clamp 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	94
Width	mm	45
Depth	mm	75