Shunt release, 24VAC/DC

Part no. NZM1-XA24AC/DC

259708

EL Number 4358723

(Norway)



General specifications	
Product name	Eaton Moeller series NZM release
Part no.	NZM1-XA24AC/DC
EAN	4015082597085
Product Length/Depth	37 millimetre
Product height	66 millimetre
Product width	32 millimetre
Product weight	0.074 kilogram
Compliances	IEC UL/CSA RoHS conform
Certifications	CSA certified UL (Category Control Number DIHS) UL489 CSA (File No. 22086) UL (File No. E140305) CSA (Class No. 1437-01) CE marking IEC60947 UL listed CSA-C22.2 No. 5-09
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Release
Delivery program	
Туре	Accessory Shunt release
Special features	Switches are tripped by a voltage pulse or by the application of uninterrupted voltage. If the shunt trip is live, contact with the circuit breaker's primary contacts is prevented when switched on. Shunt releases cannot be installed simultaneously with NZMXHIV early-mak auxiliary contact or NZMXU undervoltage release.
Frame	NZM1
Suitable for	Off-load switch
Used with	NZM1(-4), N(S)1(-4)
echnical Data - Electrical	
Voltage type	AC/DC
Voltage rating	0.7 - 1.1 x Us
Voltage rating at AC (x Us) - min	0.7
Voltage rating at AC (x Us) - max	1.1
Rated control voltage (relay contacts)	24 V DC
Dated control cumb walks as	24 V AC
Rated control supply voltage	24 V AC/DC
Rated control supply voltage (Us) at AC, 50 Hz - min	24 V
Rated control supply voltage (Us) at AC, 50 Hz - max	24 V
Rated control supply voltage (Us) at AC, 60 Hz - min	24 V
Rated control supply voltage (Us) at AC, 60 Hz - max	24 V
Rated control supply voltage (Us) at DC - min	12 V
Rated control supply voltage (Us) at DC - max	24 V
Frequency rating	50 Hz / 60 Hz / 200 Hz / 400 Hz, DC (shunt release)
Pick-up power consumption (shunt release)	2.5 VA/W
Reaction time	20 ms
Time on duty - max	∞

Technical Data - Mechanical - Terminals Terminal capacity (solid/flexible conductor) Terminal capacity (solid capacity (solid capacity) (solid capacity) (solid capacity) (solid capacity (solid capacity) (solid capacity	Minimum command time - max	15 ms
Number of contacts (change-ever contacts) Number of contacts (normally closed contacts) Number of contacts (normally coped contacts) On Connection type Special features With terminal block on the left-hand switch side Shritches are rejosed by a voltage pulse or by the application of uninterrupted voltage. If this shurt type is left, contact with the circuit breaker's primary contacts is prevented when switched on. Shurt rolesses coence the installation simultaneously with NZM.—XMI.—Accordioration of the shurt release and the installation entage of the shurt release and the installation entage of the shurt release and the results of the shurt release of the shurt re	Electric connection type	Screw connection
Number of contacts (normally closed contacts) Number of contacts (normally open contacts) Connection type Special features Special features Special features Switches are tripped by a voltage pulse or by the application of uninterrupted voltage. If this shurt frip is live, contact with the circuit breaker's primary contacts is prevented what sentithed an abundance of the shurt file is live, contact with the circuit breaker's primary contacts is prevented what sentithed an abundance of the shurt frip is live, contact with the circuit breaker's primary contacts is prevented what sentithed an abundance of the shurt release of th	Technical Data - Mechanical	
Number of contacts (normally open contacts) Cannection type Special foatures With terminal block on the left-hand switch side Special foatures With terminal block on the left-hand switch side Special foatures Technical Data - Mechanical - Terminals Terminal capacity (solid/likesible conductor) To change of the special speci	Number of contacts (change-over contacts)	0
Special features With terminal block on the left-hand avoich side Switches are tripped by a voltage pulse or by the application of uninterrupted voltage. If this shunt trip is leve, contact with the circuit breaker's primary contacts is represented whom switched on. Shart releases cannot be installed simultaneously with NZMXHIV early-mak autolifery contact VZM All. uniformly agreement. Technical Data - Mechanical - Terminals Terminal capacity (solid/flexible conductor) Do small 2.5 mm² 1.2 for undervoltage releases, off-delayed with ferrule 1.2 mm² 2.5 mm² 1.2 in ordervoltage releases, off-delayed with ferrule 1.3 mm² 2.5 mm² 1.2 in ordervoltage releases, off-delayed with ferrule 1.4 may 1.4 molecular to the contact of the contact	Number of contacts (normally closed contacts)	0
Switches are tripped by a voltage poles or by the application of uninterrupted voltage and trip is live, cronter with the circuit breaker's primary contacts is prevented who new workhold on. Shurt releases cannot be installed simultaneously with NZMXHIV early-mak auxiliary contact or NZMXVI undervoltage releases, off-delayed with ferrule 0.75 mm² - 2.5 mm² (1/4) or undervoltage releases, off-delayed with ferrule 18-14 MVB (1/4) for undervoltage releases, off-delayed with ferrule 18-14 MVB (1/4) for undervoltage releases, off-delayed with ferrule 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases with ferrule 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1/4) at shurt releases 18-14 MVB (1/4) for undervoltage 1	Number of contacts (normally open contacts)	0
Voltage If the shirt trip is live, contact with the circuit breaker's primary contacts is prevented when switched in co. Shurt releases cannot be intalled simultaneously with NZMXHIV early-mak auxiliary contact or NZMXU undervoltage releases. Terminal capacity (solid/flexible conductor) 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release with ferrule 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed vith ferrule 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed vith ferrule 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed vith ferrule 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release with ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release with ferrule 0.75 mm² - 2.5 mm² (1x) at shurt releases. Off-delayed vith forrule 0.75 mm² - 2.5 mm² (1x) at shurt releases. Off-delayed vith forrule 0.75 mm² - 2.5 mm² (1x) at shurt releases. Off-delayed vith forrule 0.75 mm² - 2.5 mm² (1x) at shurt releases. Off-delayed vith forrule 0.75 mm² - 2.5 mm² (1x) at shurt releases. Off-delayed vith forrule 0.75 mm² - 2.5 mm² (1x) at shurt releases. Off-delayed vith forrule 0.75 mm² - 2.5 mm² (1x) at shurt releases. Off-delayed vith forrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² - 2.5 mm² (1x) at shurt release vith ferrule 0.75 mm² (1x) at shurt release vith ferrule 0.75 mm² (1x) at shurt rele	Connection type	With terminal block on the left-hand switch side
Terminal capacity (solid/flexible conductor) 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed with ferrule 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed with ferrule 18 - 14 AWD (1x) dist shunt release with ferrule Design verification as per IEC/EN 61439 10.22 Corrosion resistance 10.23.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 10.23.2 Verification of resistance of insulating materials to normal heat 10.23.3 Resist of insul, mat. to abnormal heatfire by internal elect. effects Meets the product standard's requirements. 10.24 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements. 10.25 Lifting Does not apply, since the entire switchpear needs to be evaluated. 10.26 Mechanical impact Does not apply, since the entire switchpear needs to be evaluated. 10.27 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies Does not apply, since the entire switchpear needs to be evaluated. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Incorporation of switching devices and components Does not apply, since the entire switchpear needs to be evaluated. 10.6 Incorporation of switching devices and components 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 A Testing of enclosures made of insulating material 10.11 Short-circuit rating List the panel builder's responsibility. 10.12 Electromapnetic compatibility In panel builder's responsibility.	Special features	voltage. If the shunt trip is live, contact with the circuit breaker's primary contacts is prevented when switched on. Shunt releases cannot be installed simultaneously with NZMXHIV early-make
0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule 18 - 14 AWG (1x) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1x) at shunt release 18 - 14 AWG (1x) at shunt rel	Technical Data - Mechanical - Terminals	
10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3.2 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Lifting 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	Terminal capacity (solid/flexible conductor)	0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule 18 - 14 AWG (1x) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed with ferrule 18 - 14 AWG (2x) at shunt release 18 - 14 AWG (1x) at shunt release 18 - 14 AWG (2x) for undervoltage releases, off-delayed
10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3.0 Begree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibility. The specifications for the switchgear must be observed. In the panel builder's responsibility. The specifications for the switchgear must be observed. The device meets the requirements, provided the information in the instruction	Design verification as per IEC/EN 61439	
10.2.3 Verification of resistance of insulating materials to normal heat 10.2.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.1 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections 1 Is the panel builder's responsibility. 1 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 1 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.8 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 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. 10.9.2 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. The specifications for the switchgear must be observed. 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	10.2.3.1 Verification of thermal stability of enclosures	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. 10.9.2 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 10.10 Temperature rise The panel builder's responsibility. The specifications for the switchgear must be observed. 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.	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated. 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 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 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Electromagnetic compatibility 10.15 Age and a pply, since the entire switchgear needs to be evaluated. 10.16 Does not apply, since the entire switchgear needs to be evaluated. 10.17 Internal electrical circuits and connections 10.18 the panel builder's responsibility. 10.19 Electromagnetic compatibility 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.27 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. In panel builder's responsibility. In panel builder's responsibility. In panel builder's responsibility. In panel builder's responsibility. The specifications for the switchgear must be observed. In the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
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 responsibility. The specifications for the switchgear must be observed. 10.11 Short-circuit rating 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	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. The panel builder's responsibility. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed. In the device meets the requirements, provided the information in the instruction.	10.2.7 Inscriptions	Meets the product standard's requirements.
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 responsibility. 10.11 Short-circuit rating Is the panel builder is responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 1s the panel builder's responsibility. 10.8 Connections for external conductors 1s the panel builder's responsibility. 10.9.2 Power-frequency electric strength 1s the panel builder's responsibility. 10.9.3 Impulse withstand voltage 1s the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 1s the panel builder's responsibility. 10.10 Temperature rise The panel builder is responsibility observed. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility The device meets the requirements, provided the information in the instruction.	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Short-circuits and connections 10.15 Is the panel builder's responsibility. 10.16 Is the panel builder's responsibility. 10.17 The panel builder is responsibility. 10.18 Is the panel builder is responsibility. 10.19 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Device meets the requirements, provided the information in the instruction	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function Is the panel builder's responsibility. Is the panel builder is responsibility. The panel builder is responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility The device meets the requirements, provided the information in the instruction	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Strength builder's responsibility. 15 the panel builder's responsibility. 16 the panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 the panel builder's responsibility. The specifications for the switchgear must be observed. 10.16 Temperature rise 10.17 Short-circuit rating 10.18 Short-circuit rating 10.19 Electromagnetic compatibility 10.19 Electromagnetic compatibility 10.10 Temperature rise calculation. Eaton will provide heat dissipation data for the devices. 10.11 Short-circuit rating 10.12 Electromagnetic compatibility. The specifications for the switchgear must be observed. 10.19 The device meets the requirements, provided the information in the instruction.	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Is the panel builder's responsibility. The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. 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.
10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder is responsibility. 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	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, provided the information in the instruction	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
provide heat dissipation data for the devices. 10.11 Short-circuit rating	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
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	10.10 Temperature rise	
observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	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	

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Shunt release (for power circuit b	reaker) (EC001023)				
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Full load current trip (ecl@ss13-27-37-04-18 [AKF016018])					
Rated control supply voltage AC 50 Hz	V	24 - 24			
Rated control supply voltage AC 60 Hz	V	24 - 24			
Rated control supply voltage DC	V	12 - 24			
Voltage type for actuating		AC/DC			
Initial value of the undelayed short-circuit release - setting range	А	0			
End value adjustment range undelayed short-circuit release	А	0			
Power consumption	W				
Type of electric connection		Screw connection			
Number of contacts as normally open contact		0			

Number of contacts as normally closed contact	0
Number of contacts as change-over contact	0
Suitable for power circuit breaker	No
Suitable for off-load switch	Yes
Suitable for motor safety switch	No
Suitable for overload relay	No