## **DATASHEET - NZM4-XR110-130AC**



Remote operator, 110-130VAC, for size 4

NZM4-XR110-130AC Part no. Catalog No. 266684



Similar to illustration

Delivery	program
Draduat range	

Product range Accessories Rened operating frequency Standard Agricultural Construction face  Pacetago frequency Construction face  UCSA, IEC  UCSA, IEC  NAZA  For remains switching of circuit-harakers and switch-disconnectors.  For remains switching of circuit-harakers and switch-disconnectors.  For remains switching or circuit-harakers and switch-disconnectors.  For remains switching or harakers and switch-disconnectors.  Coachable in the 0 postedien of the remains of since wire control included in the Coachable in the Coachab	Delivery program			
Ratio Counting Prequency   Standard Approved	Product range			Accessories
Construction size   Cons				
Description  Description  Description  Description  For centroes exelcting of circuit-breakers and swelch-disconnectors.  ON and OFF witching by fand pessable.  Lectable in the Docision of the remote operator with us to 3 padioxis Phase phase phase provides and the control of the synchronized  Three-wire control  1-1-1-2  Three-wire control  1-1-1-2  Two-wire control  1-1-1-2  Two-wire control  1-1-1-2  Two-wire control  1-1-1-2  Three-wire control with submarile research of the NZMASO. Operational residences approached by the Direct schedule of the provides and post provides and provides and post p	Rated operating frequency			AC 50/60 Hz
Description  Description  For remote switching of circuit-breakers and switch-disconnectors.  ON and OFF switching and resetting by means of two-wire or three-wire control. Local switching by hand possible.  Local switching by hand possible.  Local switching and progretor with up to 3 padicids (heap trick leases, a 8 min)  Can be synchronized  First—wire control  In the synchronized  First—wire control  In the synchronized strength of the PATAGOS At- XHOD, remote operators.  First—wire control  In the synchronized strength of the PATAGOS At- XHOD, remote operators.  First—wire control  In the synchronized strength of the PATAGOS At- XHOD, remote operators.  First—wire control  In the synchronized strength of the PATAGOS At- XHOD, remote operators.  First—wire control  In the synchronized strength of the PATAGOS At- XHOD, remote operators.  First—wire control  In the synchronized strength of the synchronized and not be synchronized and not synchronized strength of the synchronized strength of the synchronized and not synchronized strength of the				
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Local switching by hand possible.  Local switching pycker.  Three-wire control  11-0  11-	Description			For remote switching of circuit-breakers and switch-disconnectors.
Lockable in the 0 position of the remote operator with up to 3 padlocks (hasp trickiness, 4-3 mm)  Can be synchronized  Three-wire control  Three-				ON and OFF switching and resetting by means of two-wire or three-wire control.
thickness 4 – 3 mm)  Can be synchronized  Three-wire control  If 1-1 are related to the property of the proper				Local switching by hand possible.
Three-wire control  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped  Three-wire control with automatic reset to the Oposition after the switch has tripped on the switch has t				
Three-wire control    Terminal 70/TE   NAME RC contact loading according to technical data				Can be synchronized
Second				Three-wire control  L1 (L1+) (L1+) (L1+) (L1+) (L1+) (L1+) (L1+) (L1-) (
Switch has tripped    1				NZM-XR: Operational readiness signal when cover closed and not locked.  NZM2-XRD: Operational readiness signal when sliding switch set to Auto.  Sliding switch with three positions: Manual/Auto/Locked for reliable differentiation of connected positions.  AC-15: 400 V; 2 A
NZM2-XR O				switch has tripped  L1 (L1+)  0
Break time ms 3000 Rated control voltage U <sub>s</sub> V 110 - 130 V 50/60 Hz				NZM2-XR $\bigcirc \stackrel{\text{therefore}}{\text{order}} \rightarrow \stackrel{\text{therefore}}{o$
Rated control voltage U <sub>s</sub> V 110 - 130 V 50/60 Hz	Closing delay		ms	100
	Break time		ms	3000
Number of poles 3/4 pole	Rated control voltage	Us	V	110 - 130 V 50/60 Hz
	Number of poles			3/4 pole

For use with	NZM4(-4) N(S)4(-4)
Project planning information	Cannot be combined with switch-disconnector PN Do not install M22-CK11(20/02) dual auxiliary contacts in the right-hand side auxiliary contact slot in NZM4-XR
Engineering information (sheet catalog)	2/3-wire control and circuit diagrams

## **Technical data**

#### **Remote operator**

Rated control voltage	Us	V	
AC	Us	V AC	110 - 130
Operating range			
AC		$x  U_s$	0.85 - 1.1
DC		$x  U_s$	0.85 - 1.1
Motor rating			
AC			
110 V 130 V AC	S	VA	350
Minimum signal duration			
with switch on		ms	30
with switch off		ms	500
Lifespan, mechanical	Operations		10000
Maximum operating frequency		Ops./h	
Max. operating frequency		Ops/h	20
Terminal capacities		$\text{mm}^2$	
Solid or flexible conductor, with ferrule		mm <sup>2</sup>	0,75 - 2,5
		AWG	18 14

# **Design verification as per IEC/EN 61439**

Design verification as per IEC/EN 61439	
IEC/EN 61439 design verification	
10.2 Strength of materials and parts	
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9 Insulation properties	
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 7.0**

Low-voltage industrial components (EG000017) / Motor operator for power circuit-breaker (EC001030)

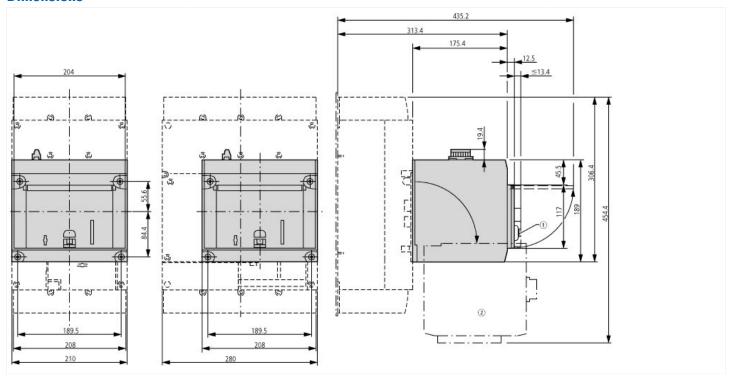
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Electrical drive for circuit breakers (ecl@ss10.0.1-27-37-04-12 [AKF010013])

[AN OTOTO]/		
Type of switch drive		Motor drive
Rated control supply voltage Us at AC 50HZ	V	110 - 130
Rated control supply voltage Us at AC 60HZ	V	110 - 130
Rated control supply voltage Us at DC	V	0 - 0
Voltage type for actuating		AC

### **Approvals**

Product Standards	UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking
UL File No.	E140305
UL Category Control No.	DIHS
CSA File No.	022086
CSA Class No.	1437-01
North America Certification	UL listed, CSA certified

#### **Dimensions**



## **Additional product information (links)**

IL01210006Z (AWA1230-2038) NZM4 Remote operator		
IL01210006Z (AWA1230-2038) NZM4 Remote operator	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01210006Z2019_05.pdf	
2/3-wire control and circuit diagrams	http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=17.153	