



## Remote operator, synchronized

**Part no.**

**NZM2-XR208-240AC**

**Article no.**

**259832**



For remote switching of circuit-breakers and switch-disconnectors.

ON and OFF switching and resetting by means of two-wire and three-wire control.

Local switching by hand possible.

Lockable in the 0 position of the remote operator with up to 3 padlocks (hasp thickness: 4 – 8 mm)

### Delivery programme

Description		<p>For remote switching of circuit-breakers and switch-disconnectors.</p> <p>ON and OFF switching and resetting by means of two-wire or three-wire control.</p> <p>Local switching by hand possible.</p> <p>Lockable in the 0 position of the remote operator with up to 3 padlocks (hasp thickness: 4 – 8 mm)</p> <p><b>Can be synchronized</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Three-wire control (pulse contact)</b></p> <p><b>Two-wire control (continuous contact)</b></p> <p><b>Three-wire control with automatic reset to the 0 position after the switch has tripped</b></p> </div> <div style="width: 45%;"> <p>Please note during engineering: <b>Terminal 70/71:</b></p> <p><b>NZM-XR:</b> Contact loading according to technical data <b>NZM2-XRD:</b> Full current flows though the contact during make and break! RMQ series contact elements can be used for the NZM2(3.4)-XR(D)...remote operators. <b>Terminal 75:</b></p> <p><b>NZM-XR:</b> Operational readiness signal when cover closed and not locked. <b>NZM2-XRD:</b> 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 DC-13: 220 V; 0.2 A</p> <p><b>Switching cycle:</b></p> <p><b>NZM2-XR</b> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math> <math>\xrightarrow{\tau &gt; 3\text{ s}}</math> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math> <math>\xrightarrow{60\text{ ms}}</math> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math></p> <p><b>NZM3-XR</b> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math> <math>\xrightarrow{\tau &gt; 3\text{ s}}</math> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math> <math>\xrightarrow{60\text{ ms}}</math> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math></p> <p><b>NZM4-XR</b> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math> <math>\xrightarrow{\tau &gt; 3\text{ s}}</math> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math> <math>\xrightarrow{100\text{ ms}}</math> <math>\begin{matrix} \text{OFF} &amp; \rightarrow &amp; \text{ON} \\ \text{ON} &amp; \rightarrow &amp; \text{OFF} \end{matrix}</math></p> <p>The time interval between OFF and ON is 3 seconds. On commands received during the time interval are ignored within the first 3 seconds after switch off.</p> </div> </div>
Closing delay	ms	60 – 100
Break time	ms	300 – 3000
Rated control voltage	$U_s$	208 - 240 V 50/60 Hz
For use with		NZM2(-4) N(S)2(-4)
Project planning information		Cannot be combined with mechanical interlock

## Approbationen

Product Standards  
UL File No.  
UL CCN  
CSA File No.  
CSA Class No.  
NA Certification

UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking  
E140305  
DIHS  
022086  
1437-01  
UL Listed, CSA certified

## Remote operator

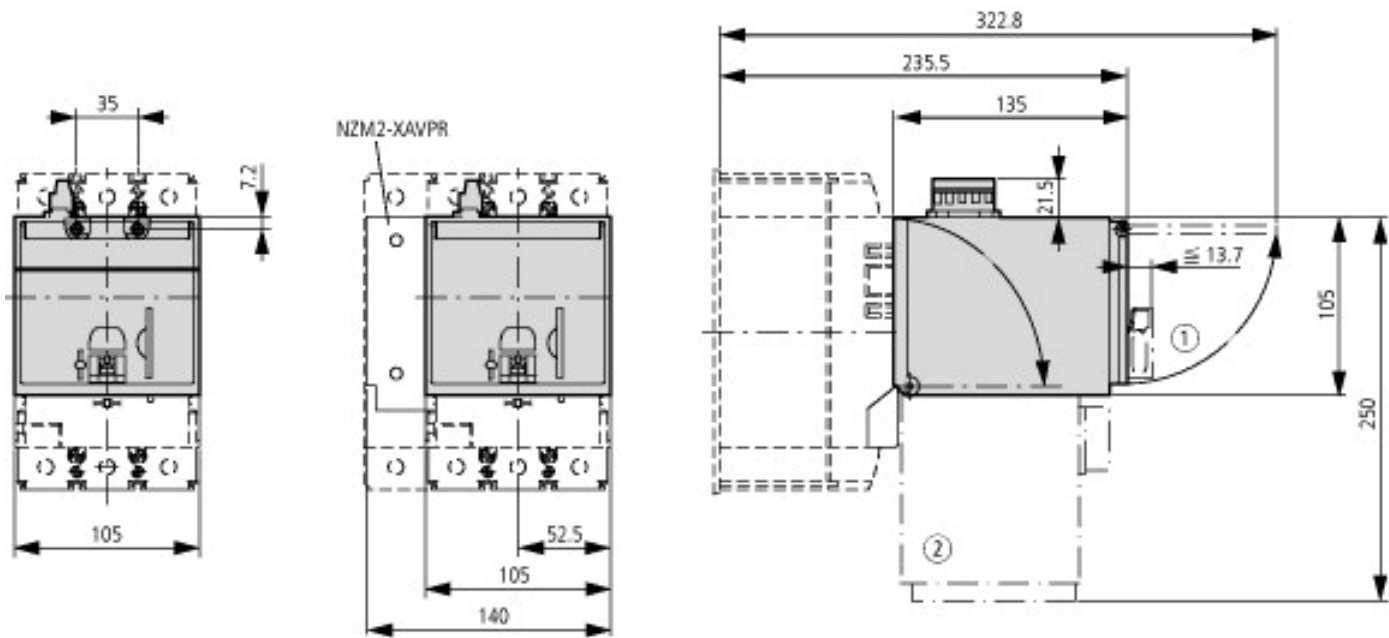
Rated control voltage	$U_s$	V	
AC	$U_s$	V AC	110 - 440
DC	$U_s$	V DC	24 - 250
Operating range			
AC		$x U_s$	0.85 - 1.1
DC		$x U_s$	0.85 - 1.1
Current heat loss per pole at $I_u$	P	kWh	
AC			
110 V ... 130 V AC		VA	350
208 V ... 240 V AC		VA	350
380 V ... 440 V AC		VA	350
DC		$x U_s$	
24 V ... 30 V DC		W	250
110 V ... 130 V DC		W	250
220 V ... 250 V DC		W	250
Minimum signal duration			
with switch on		ms	30
with switch off		ms	150
Lifespan, mechanical	Operations		20000
Maximum operating frequency		Ops/h	
Max. operating frequency		Ops/h	120
Terminal capacities		mm <sup>2</sup>	
Solid or flexible conductor with ferrule		mm <sup>2</sup>	0.75 ... 2.5
		AWG	18 ... 14

## Technische Daten nach ETIM 4.0

Rated control voltage $U_s$ at AC 50 Hz		V	240
Rated control voltage $U_s$ at AC 60 Hz		V	240
Rated control voltage $U_s$ at DC		V	0
Design of contact module			Motor operator
Voltage type for actuation			AC

2/3-wire control and circuit diagrams

## Dimensions



**Additional product information (links)**

IL01206002Z (AWA1230-1984) Remote operator NZM2

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL01206002Z2010\\_11.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01206002Z2010_11.pdf)