

Remote operator, 110-130VDC, for size 2

**Part no. NZM2-XR110-130DC**  
**259840**

<b>General specifications</b>	
Product name	Eaton Moeller series NZM remote operator
Part no.	NZM2-XR110-130DC
EAN	4015082598402
Product Length/Depth	150 millimetre
Product height	105 millimetre
Product width	105 millimetre
Product weight	1.728 kilogram
Compliances	UL/CSA IEC RoHS conform
Certifications	CSA (Class No. 1437-01) UL (Category Control Number DIHS) CSA (File No. 22086) CSA certified UL (File No. E140305) CE marking UL489 CSA-C22.2 No. 5-09 IEC60947 UL listed
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Remote operator
<b>Delivery program</b>	
Type	Accessory Remote operator, can be synchronized
Number of poles	Three-pole/Four-pole
Special features	Cannot be combined with switch-disconnector PN... Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD
Frame	NZM2
Used with	N(S)2(-4) NZM2(-4)
<b>Technical Data - Electrical</b>	
Voltage type	DC
Voltage rating	110 - 130 V DC
Operating voltage - min	0.85 x Us
Operating voltage - max	1.1 x Us
Rated control supply voltage (Us) at AC, 50 Hz - min	0 V
Rated control supply voltage (Us) at AC, 50 Hz - max	0 V
Rated control supply voltage (Us) at AC, 60 Hz - min	0 V
Rated control supply voltage (Us) at AC, 60 Hz - max	0 V
Rated control supply voltage (Us) at DC - min	110 V
Rated control supply voltage (Us) at DC - max	130 V
Voltage tolerance - min	0.85
Voltage tolerance - max	1.1
Power consumption	250 W (24 - 30 V DC)
Closing delay	60 ms
Breaking time	300 ms
Number of operations per hour - max	120
Signal duration of remote operator at switch off - min	150 ms
Signal duration of remote operator at switch on - min	30 ms
<b>Technical Data - Mechanical</b>	

Switch drive type		Motor drive
Special features		Cannot be combined with switch-disconnector PN... Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD
Lifespan, mechanical		20000 operations
<b>Technical Data - Mechanical - Terminals</b>		
Terminal capacity (solid/flexible conductor)		18 - 14 AWG 0.75 mm <sup>2</sup> - 2.5 mm <sup>2</sup> with ferrule
<b>Design verification as per IEC/EN 61439</b>		
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.
10.4 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 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@ss13-27-37-04-12 [AKF010018])		
Type of switch drive		Motor drive
Rated control supply voltage AC 50 Hz	V	0 - 0
Rated control supply voltage AC 60 Hz	V	0 - 0
Rated control supply voltage DC	V	110 - 130
Voltage type for actuating		DC