DATASHEET - NZM2-XR380-440AC

Remote operator, 380-440VAC, for size 2

Part no.

NZM2-XR380-440AC 259834

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Utiltial	specifications



Type Accessity Number of poles Consolity control as experiornized Special features Consolity control as expecial features Frame Consolity control and with webch-factometer PN poor interail MPZ-07500 Frame Consolity CDAD-2560 Used with SSI (-11) (2002) dial assality contracts in the center auxility contracts in the Control assality contract in CAD, SD Hz - max AC Reted control assality voltage (Us) at AC, SD Hz - max GO Parating voltage (Us) at AC, SD Hz - max GO V Reted control assality voltage (Us) at AC, SD Hz - max GO V GO V Reted control assality voltage (Us) at AC, SD Hz - max GO V GO V Reted control assality voltage (Us) at AC, SD Hz - max GO V GO V Reted control assality voltage (Us) at AC, SD Hz - max GO V GO V Reted control assality voltage (Us) at AC and V GO V GO V Vo	General specifications	
EAFreedomFre	Product name	Eaton Moeller series NZM remote operator
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Product weight: 1823 klog am Compliances 1823 klog am Product Tadateam 165 Product Tadateam NAM Product Tage Accessories Product Tage Accessory Rances operator Accessory Special Fouries Three-color Four-piel Special Fouries NAM Special Fouries NAM Values trype NAM Rand control supply values (Us) at AC. 90 Hz - max Rand control supply values (Us) at AC. 90 Hz - max Rand control supply values (Us) at AC. 90 Hz - max Rand control supply values (Us) at AC. 90 Hz - max Rand control supply values (Us) at AC. 90 Hz - max <tr< td=""><td>Product height</td><td>105 millimetre</td></tr<>	Product height	105 millimetre
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Product Type Accessories Product Sub Type Remote operator Dolivary program Remote operator Type Remote operator Number of poles Remote operator, can be synchronized Special features Control the comband with sector-fice-accessory meaning	Compliances	
Product Sub Type Remote operator Delivery program Remote operator Type Remote operator Number of poles Remote operator Special features Remote operator Special features Remote operator Used with Remote operator Special features Remote operator Used with Remote operator Used with Remote operator Voltage train Remote operator Remote operator Remote operator Remote operator Remote operator Voltage train Remote operator Remote operator <t< td=""><td>Product Tradename</td><td>NZM</td></t<>	Product Tradename	NZM
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Type Accessity Number of poles Consolity control as experiornized Special features Consolity control as expecial features Frame Consolity control and with webch-factometer PN poor interail MPZ-07500 Frame Consolity CDAD-2560 Used with SSI (-11) (2002) dial assality contracts in the center auxility contracts in the Control assality contract in CAD, SD Hz - max AC Reted control assality voltage (Us) at AC, SD Hz - max GO Parating voltage (Us) at AC, SD Hz - max GO V Reted control assality voltage (Us) at AC, SD Hz - max GO V GO V Reted control assality voltage (Us) at AC, SD Hz - max GO V GO V Reted control assality voltage (Us) at AC, SD Hz - max GO V GO V Reted control assality voltage (Us) at AC, SD Hz - max GO V GO V Reted control assality voltage (Us) at AC and V GO V GO V Vo	Product Sub Type	Remote operator
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Special features Cannot be combined with switch-disconnector PN poot in stall M22 CN 10020 dual availary contacts in the centor auxiliary contact stulin N2M2 M00 Frame NZM2 Used with NZM2 Special Data - Electrical NZM2 Voltage type Contact Stulin N2M2 CN 10020 dual availary contacts in the centor auxiliary contact stulin N2M2 M00 Voltage type Contact - Electrical Voltage type Special features Voltage type Special features Operating voltage - min Special features Operating voltage (Us) at AC, 50 H2 - min Special features Rated control supply voltage (Us) at AC, 50 H2 - min Special features Rated control supply voltage (Us) at AC, 50 H2 - min Special features Rated control supply voltage (Us) at AC, 50 H2 - min Special features Rated control supply voltage (Us) at AC, 50 H2 - max Voltage tolerance - min Voltage tolerance - min Special features Special features Special features Special features Special features <	Туре	
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Used with NS2/-4) (ZXYZ(-4) Technical Data - Electrical XZYZ(-4) Voltage type A Operating voltage - min 380 - 440 V 50/00 H/2 Operating voltage - min 385 x Us Operating voltage - max 380 V Rated control supply voltage (Us) at AC, 50 H2 - min 380 V Rated control supply voltage (Us) at AC, 50 H2 - max 440 V 30 Rated control supply voltage (Us) at AC, 50 H2 - max 440 V Rated control supply voltage (Us) at AC, 50 H2 - max 440 V Rated control supply voltage (Us) at AC, 50 H2 - max 440 V Rated control supply voltage (Us) at AC, 50 H2 - max 440 V Rated control supply voltage (Us) at AC, 50 H2 - max 90 V Rated control supply voltage (Us) at AC, 50 H2 - max 90 V Rated control supply voltage (Us) at AC, 60 H2 - max 90 V Rated control supply voltage (Us) at AC, 60 H2 - max 90 V Rated control supply voltage (Us) at AC, 60 H2 - max 90 V Rated control supply voltage (Us) at AC, 60 H2 - max 90 V Rated control supply voltage (Us) at AC, 60 H2 - max 90 H2 Rated control supply voltage (Us) at AC, 60 H2 - max	Special features	Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary
Technical Data - Electrical M2Xd2(4) Technical Data - Electrical M2Xd2(4) Voltage type A Voltage type Solve A Operating voltage - min Solve A Operating voltage (Us) at AC, 50 Hz - max M2 Rated control supply voltage (Us) at AC, 50 Hz - max M2 Rated control supply voltage (Us) at AC, 60 Hz - max M2 Rated control supply voltage (Us) at AC, 60 Hz - max M2 Rated control supply voltage (Us) at AC, 60 Hz - max M2 Rated control supply voltage (Us) at AC, 60 Hz - max M2 Rated control supply voltage (Us) at AC, 60 Hz - max M2 Rated control supply voltage (Us) at AC, 60 Hz - max M2 Rated control supply voltage (Us) at AC, 60 Hz - max M2 Rated control supply voltage (Us) at AC, 60 Hz - max M2 Voltage tolerance - min M2 Voltage tolerance - min M2 Rower consumption M2 Power consumption M3 Rower consumption M3 Rower consumption M3 Speaking time M3 Speaking time M3 Speaking time synet	Frame	NZM2
Voltage typeACVoltage rating380-440 V 50(90 HzOperating voltage - min085 x UsOperating voltage - max1.1 x UsRated control supply voltage (Us) at AC, 50 Hz - max380 VRated control supply voltage (Us) at AC, 50 Hz - max380 VRated control supply voltage (Us) at AC, 50 Hz - max440 VRated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Rated control supply voltage (Us) at AC, 50 Hz - max0Nother torquence - max80 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×	Used with	
Voltage raing 884-440 V 50/60 Hz Operating voltage - min 0.85 x Us Operating voltage (Us) at AC, 50 Hz - min 380 V Rated control supply voltage (Us) at AC, 50 Hz - max 440 V Rated control supply voltage (Us) at AC, 60 Hz - min 380 V Rated control supply voltage (Us) at AC, 60 Hz - max 440 V Rated control supply voltage (Us) at AC, 60 Hz - max 0 Rated control supply voltage (Us) at AC, 60 Hz - max 0 Rated control supply voltage (Us) at DC - max 0 Voltage tolerance - min 0.85 Voltage tolerance - min 0.85 Voltage tolerance - min 0.80 V (110 - 130 V AC) Power consumption 50 Hz Rated operating frequency 0.80 N Power consumption 50 Hz Signal duration of remote operator at switch off - min 300 Ns Signal duration of remote operator at switch off - min 10 Signal duration of remote operator at switch off - min 50 Msc raine Signal duration of remote operator at switch off - min 50 Msc raine Signal duration of remote operator at switch off - min 50 ms Signal du	Technical Data - Electrical	
Operating voltage - min 685 V U5 Operating voltage (us) at AC, 50 Hz - min 685 V U5 Rated control supply voltage (Us) at AC, 50 Hz - max 600 V Rated control supply voltage (Us) at AC, 50 Hz - min 700 V Rated control supply voltage (Us) at AC, 50 Hz - min 700 V Rated control supply voltage (Us) at AC, 60 Hz - max 700 V Rated control supply voltage (Us) at AC, 60 Hz - max 700 V Rated control supply voltage (Us) at AC, 60 Hz - max 700 V Voltage tolerance - min 800 V Voltage tolerance - min 805 Voltage tolerance - max 800 V Number of operations per hour - max 800 V Signal duration of remote operator at switch off - min 805 Signal duration of remote operator at switch off - min 800 MX (110 - 130 VAC) Signal duration of remote operator at switch off - min 100 ms Signal duration of remote operator at switch off - min 90 ms Signal duration of remote operator at switch off - min 90 ms Signal duration of remote operator at switch off - min 90 ms Signal duration of remote operator at switch off - min 90 ms Signa	Voltage type	AC
Operating voltage - maxIs kisRated control supply voltage (Us) at AC, 50 Hz - max300 VRated control supply voltage (Us) at AC, 50 Hz - max440 VRated control supply voltage (Us) at AC, 60 Hz - min440 VRated control supply voltage (Us) at AC, 60 Hz - max0 VRated control supply voltage (Us) at AC, 60 Hz - max0 VRated control supply voltage (Us) at DC - min0 VRated control supply voltage (Us) at DC - min0 VRated control supply voltage (Us) at DC - max0 VVoltage tolerance - max0 VNotage tolerance - max0 VRated control supply voltage (Us) at DC - max0 VOtoget dolerance - max0 VRated control supply voltage (Us) at DC - max0 VNotage tolerance - max0 VRated control supply voltage (Us) at DC - max0 VRated control supply voltage (Us) at DC - max0 NRated control supply voltage (Us) at DC - max0 NRated control supply voltage (Us) at DC - max0 NRated control supply voltage (Us) at DC - max0 NRated control supply voltage (Us) at DC - max0 NRated control supply voltage (Us) at DC - max0 NRated control supply voltage (Us) at DC - max0 NRated control supply voltage (Us) at DC - max0 NRated control supply voltage (Us) at DC - max0 NSignal duration of remote operator at switch of - min0 On sSignal duration of remote operator at switch of - min0 Nor rot restal Ward - disconnector PN Do not ristall Ward - discon	Voltage rating	380 - 440 V 50/60 Hz
Rated control supply voltage (Us) at AC, 50 Hz - max 40 V Rated control supply voltage (Us) at AC, 50 Hz - max 300 V Rated control supply voltage (Us) at AC, 60 Hz - max 440 V Rated control supply voltage (Us) at AC, 60 Hz - max 440 V Rated control supply voltage (Us) at AC, 60 Hz - max 440 V Rated control supply voltage (Us) at AC, 60 Hz - max 0 V Rated control supply voltage (Us) at AC, 60 Hz - max 0 V Rated control supply voltage (Us) at AC, 60 Hz - max 0 V Rated control supply voltage (Us) at AC, 60 Hz - max 0 V Rated control supply voltage (Us) at AC, 60 Hz - max 0 V Voltage tolerance - min 0 V Voltage tolerance - max 0 Si Sol VA (110 - 130 V AC) Rated operating frequency 60 ms Power consumption 60 ms Closing delay 60 ms Breaking ime 10 Oms Signal duration of remote operator at switch off - min 30 ms Signal duration of remote operator at switch off - min 0 ms Signal duration of remote operator at switch off - min 0 mos Signal duration of remote operator at switch off - min 0 mos Signal duration of remote operator a	Operating voltage - min	0.85 x Us
Rated control supply voltage (Us) at AC, 50 Hz - max 440 V Rated control supply voltage (Us) at AC, 60 Hz - max 560 V Rated control supply voltage (Us) at AC, 60 Hz - max 640 V Rated control supply voltage (Us) at DC - max 0 V Rated control supply voltage (Us) at DC - max 0 V Voltage tolerance - min 0.85 Voltage tolerance - max 1.1 Rated operating frequency 50 Hz Power consumption 50 Hz Closing delay 50 Ms Breaking time 300 ws Number of operations per hour - max 10 Signal duration of remote operator at switch off - min 50 Hz Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch on - min 50 ms Signal duration of remote operator at switch on - min 50 ms Signal duration of remote operator at switch on - min 50 ms Signal duration of remote operator at switch on - min 50 ms	Operating voltage - max	1.1 x Us
Rated control supply voltage (Us) at AC, 60 Hz - min 30 V Rated control supply voltage (Us) at AC, 60 Hz - max 40 V Rated control supply voltage (Us) at DC - min 0 V Rated control supply voltage (Us) at DC - max 0 V Voltage tolerance - min 0.85 Voltage tolerance - max 1.1 Rated operating frequency 50 Hz Power consumption 50 VA (110 - 130 V AC) Closing delay 50 ms Breaking time 20 ms Number of operations per hour - max 10 ms Signal duration of remote operator at switch off - min 30 ms Signal duration of remote operator at switch off - min 30 ms Signal duration of remote operator at switch off - min 30 ms Signal duration of remote operator at switch off - min 30 ms Signal duration of remote operator at switch off - min 30 ms Signal duration of remote operator at switch off - min 30 ms Special features Motor drive Special features Conton isstall M22- CKIN22/2M20 dual auxiliary contacts in the center auxiliary contacts lot in NZM2-XRD Lifespan, mechanical Conto operations Lifespan, mechanical Conto operations	Rated control supply voltage (Us) at AC, 50 Hz - min	380 V
Rated control supply voltage (Us) at AC, 60 Hz - max 440 V Rated control supply voltage (Us) at DC - max 0 Rated control supply voltage (Us) at DC - max 0 Voltage tolerance - min 0.85 Voltage tolerance - max 50 Hz Rated control supply voltage (Us) at DC - max 50 Hz Rated parating frequency 50 Hz Power consumption 500 Nx AC) Robing delay 60 ms Breaking time 10 Number of operations per hour - max 300 ms Signal duration of memote operator at switch of - min 50 ms Signal duration of memote operator at switch on - min 50 ms Signal duration of remote operator at switch on - min 50 ms Signal duration of remote operator at switch on - min 50 ms Signal duration of remote operator at switch on - min 50 ms Signal duration of remote operator at switch on - min 50 ms Special features Cannot be combined with switch-disconnector PN Do not install M22-CK 11/20/02/ dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD Lifespan, mechanical Cono operations Lifespan, mechanical - Mechanical - Terminals Cono operations <td>Rated control supply voltage (Us) at AC, 50 Hz - max</td> <td>440 V</td>	Rated control supply voltage (Us) at AC, 50 Hz - max	440 V
Rated control supply voltage (Us) at DC - max V Rated control supply voltage (Us) at DC - max 0V Voltage tolerance - min 085 Voltage tolerance - max 1.1 Rated operating frequency 50 Hz Power consumption 50 VA (110 - 130 V AC) Closing delay 60 ms Breaking time 300 ms Number of operations per hour - max 150 ms Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch on - min 50 ms Switch drive type Kotor drive Special features Cannot be combined with switch-disconnector PN contact slot in NZM2-XRD It features Cannot be combined with switch-disconnector PN contact slot in NZM2-XRD It features Cannot be combined with switch-disconnector PN contact slot in NZM2-XRD It features Cannot be combined with switch-disconnector PN contact slot in NZM2-XRD	Rated control supply voltage (Us) at AC, 60 Hz - min	380 V
Rated control supply voltage (Us) at DC - max 0 Voltage tolerance - min 0.85 Voltage tolerance - max 1.1 Rated operating frequency 50 Hz Power consumption 60 ms Closing delay 300 ms Breaking time 300 ms Number of operations per hour - max 150 Ms Signal duration of remote operator at switch off - min 150 Ms Signal duration of remote operator at switch on - min 150 Ms Switch drive type Motor drive 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 sin the XZM2-XRD Iterspan, mechanical Work Site in NZM2-XRD	Rated control supply voltage (Us) at AC, 60 Hz - max	440 V
Voltage tolerance - min 0.85 Voltage tolerance - max 1.1 Rated operating frequency 50 VA (110 - 130 V AC) Power consumption 60 ms Closing delay 60 ms Breaking time 300 ms Number of operations per hour - max 10 Signal duration of remote operator at switch off - min 50 Main Construction Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch on - min 50 ms Technical Data - Mechanical Motor drive Syncial features Motor drive Ifespan, mechanical Cannot be combined with switch-disconnector PN po not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD Itespan, mechanical - Terminals Second perators	Rated control supply voltage (Us) at DC - min	0 V
Voltage tolerance - max Image: Section of the sect	Rated control supply voltage (Us) at DC - max	0 V
Rated operating frequency Image: Construction of the constru	Voltage tolerance - min	0.85
Power consumption Image: Store S	Voltage tolerance - max	1.1
Closing delay 60 ms Breaking time 300 ms Number of operations per hour - max 120 Signal duration of remote operator at switch off - min 50 ms Signal duration of remote operator at switch on - min 50 ms Technical Data - Mechanical 70 ms Switch drive type Motor drive Special features Motor drive Lifespan, mechanical 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 - Mechanical - Terminals 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	Rated operating frequency	50 Hz
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 Technical Data - Mechanical 0 ms 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 2000 operations Technical Data - Mechanical - Terminals Source in the center auxiliary	Power consumption	350 VA (110 - 130 V AC)
Number of operations per hour - maxImage: Constraint of the sector of the s	Closing delay	60 ms
Signal duration of remote operator at switch off - min 150 ms Signal duration of remote operator at switch on - min 30 ms Technical Data - Mechanical Motor drive Switch drive type Motor drive Special features Cannot be combined with switch-disconnector PN on tinstall M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD Lifespan, mechanical 20000 operations Technical Data - Mechanical - Terminals Set	Breaking time	300 ms
Signal duration of remote operator at switch on - min 30 ms Technical Data - Mechanical Motor drive 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 Technical Data - Mechanical - Terminals Set	Number of operations per hour - max	120
Technical Data - Mechanical Moder drive 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 Technical Data - Mechanical - Terminals Second	Signal duration of remote operator at switch off - min	150 ms
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 Technical Data - Mechanical - Terminals Sector	Signal duration of remote operator at switch on - min	30 ms
Special features Cannot be combined with switch-disconnector PN Lifespan, mechanical Constitution NZM2-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD Technical Data - Mechanical - Terminals Constitution Constitution	Technical Data - Mechanical	
Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD Lifespan, mechanical 20000 operations Technical Data - Mechanical - Terminals Contact slot in NZM2-XRD	Switch drive type	Motor drive
Technical Data - Mechanical - Terminals	Special features	Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary
	Lifespan, mechanical	20000 operations
Terminal capacity (solid/flexible conductor) 0.75 mm ² - 2.5 mm ² with ferrule	Technical Data - Mechanical - Terminals	
	Terminal capacity (solid/flexible conductor)	0.75 mm ² - 2.5 mm ² with ferrule

	18 - 14 AWG
Design verification as per IEC/EN 61439	
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	380 - 440			
Rated control supply voltage AC 60 Hz	V	380 - 440			
Rated control supply voltage DC	V	0 - 0			
Voltage type for actuating		AC			