



Undervoltage release, 480-525VAC



Powering Business Worldwide™

Part no.
Article no.
Catalog No.

NZM1-XU480-525AC
259446

Delivery programme

Product range
Accessories
Accessories
Standard/Approval
Construction size
Description

Accessories
Undervoltage release
Undervoltage releases
UL/CSA, IEC
NZM1
Non-delayed disconnection of NZM circuit-breaker or N switch-disconnector when the control voltage sinks below 35 – 70% US.
For use with emergency switching off devices in conjunction with Emergency switching off button.
When the shunt release is energized, accidental contact with the main contacts of the switch during attempts to switch on is safely prevented.
Undervoltage releases cannot be installed simultaneously with NZM...-XHIV... early-make auxiliary contact or NZM...-XA... shunt release.
with terminal block on the left-hand switch side
without auxiliary contact
480 - 525 V 50/60 Hz
NZM1(-4), N(S)1(-4)

Connection type

Auxiliary contacts
Rated control voltage
For use with

U_s

V

Approvals

Product Standards
UL File No.
UL Category Control No.
CSA File No.
CSA Class No.
North America Certification

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

Undervoltage release

Rated control voltage

AC

DC

Rated control voltage

Operating range

Drop-out voltage

Pick-up voltage

Power consumption

AC

Pick-up AC

Sealing AC

DC

Pick-up DC

Sealing DC

Maximum opening delay (response time until opening of the main contacts)

Minimum command time

U_s	V	
U_s	V AC	24 - 600
U_s	V DC	12 - 250
U_s	V	480 - 525 V 50/60 Hz
	$x U_s$	0.35 - 0.7
$x U_c$		0.85 - 1.1
	VA	1.5
	VA	1.5
	$x U_s$	
	W	0.8
	W	0.8
	ms	19
	ms	10 - 15

Terminal capacities

Solid or flexible conductor, with ferrule

	mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
	AWG	1 x (18 ... 14) 2 x (18 ... 14)

Technical data ETIM 5.0

Low-voltage industrial components (EG000017) / Under voltage coil (EC001022)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Undervoltage trip (ec1@ss8-27-37-04-17 [AKF015009])

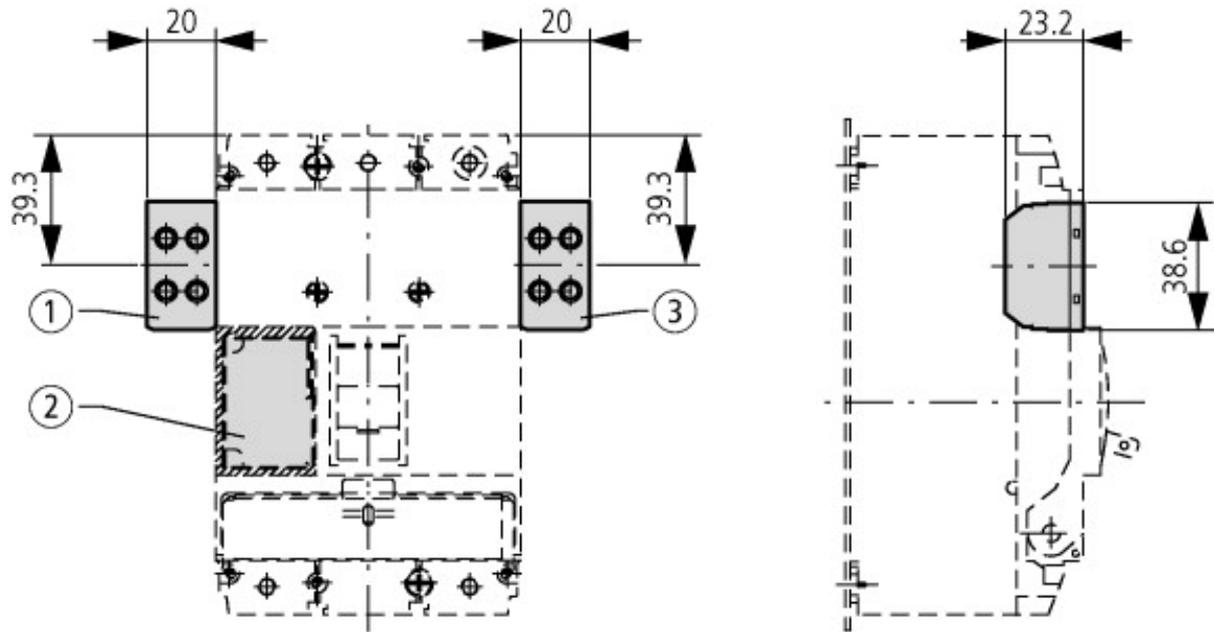
Rated control supply voltage U_s at AC
50HZ

V

480 - 525

Rated control supply voltage U_s at AC 60HZ	V	480 - 525
Rated control supply voltage U_s at DC	V	0 - 0
Voltage type for actuating		AC
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
Delayed		No
Suitable for power circuit breaker		Yes
Suitable for switch disconnecter		Yes
Suitable for motor safety switch		No
Suitable for overload relay		No

Dimensions



①

NZM1-XA(HIV)
NZM1-XU(HIV)(20)
NZM1-XHIV

②

NZM1-XA(HIV)(L)
NZM1-XU(V)(HIV)(L)(20)
NZM1-XHIV(L)

③

NZM1-XHIVR

Additional product information (links)

IL01203002Z (AWA1230-1914) Shunt release, Undervoltage release, Early-make auxiliary contact

IL01203002Z (AWA1230-1914) Shunt release, Undervoltage release, Early-make auxiliary contact

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01203002Z2010_11.pdf