

Undervoltage release with 2 VHI

Part no. NZM1-XUHIV380-440AC

Article no. 259541



For interlocking and load-shedding circuits, as well as for early-make of the undervoltage release in main-switch applications.

For use with emergency switching off devices in conjunction with emergency switching off button.

Delivery programme

Range			Accessories
Accessories			Undervoltage release
Accessories			Undervoltage release with early-make auxiliary contact
Standard/Approval			UL/CSA, IEC
Construction size			NZM1
Description			For interlocking and load-shedding circuits, as well as for early-make of the undervoltage release in main-switch applications. 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. Early make of auxiliary contacts on switching on and off (manual operation): approx. 20 ms Undervoltage releases cannot be installed simultaneously with NZM...-XHIV... early-make auxiliary contact or NZM...-XA... shunt release.
Connection type			with terminal block on the left-hand switch side
Auxiliary contacts			With 2 early-make auxiliary contacts
Rated control voltage	U <sub>s</sub>	V	380 - 440 V 50/60 Hz
For use with			NZM1(-4), N(S)1(-4)

Approbationen

Product Standards	UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking
UL File No.	E140305
UL CCN	DIHS
CSA File No.	022086
CSA Class No.	1437-01
NA Certification	UL Listed, CSA certified

Undervoltage release

Rated control voltage	U <sub>s</sub>	V	
AC	U <sub>s</sub>	V AC	24 - 600
DC	U <sub>s</sub>	V DC	12 - 250
Rated control voltage	U <sub>s</sub>	V	380 - 440 V 50/60 Hz
Operating range			
Drop-out voltage		x U <sub>s</sub>	0.35 - 0.7
Pick-up voltage		x U <sub>s</sub>	0.85 - 1.1
Power consumption			
AC			
Pick-up AC		VA	1.5
Sealing AC		VA	1.5
DC		x U <sub>s</sub>	
Pick-up DC		W	0.8
Sealing DC		W	0.8
Maximum opening delay (response time until opening of the main contacts)		ms	19
Minimum command time		ms	10 - 15

Shunt release

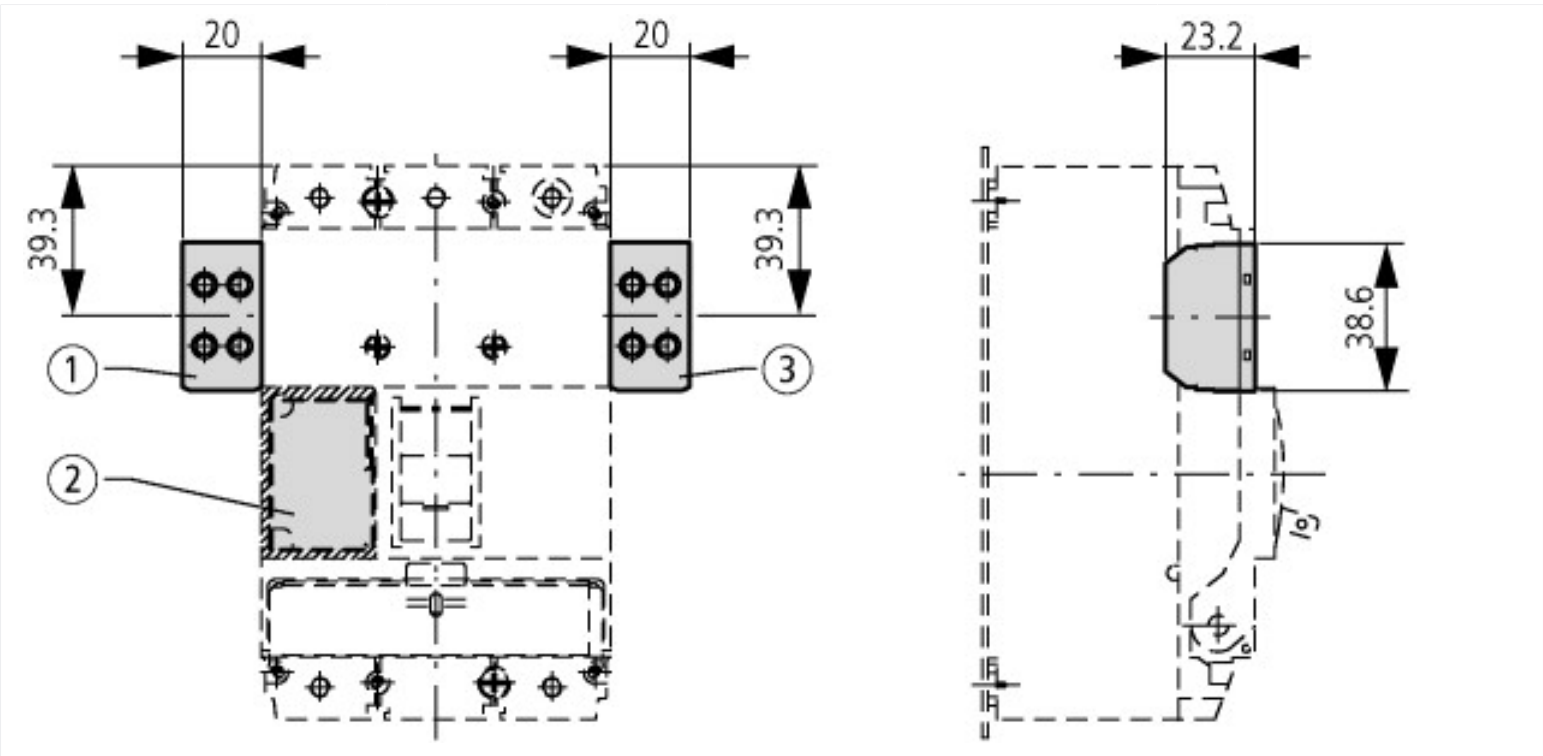
Operating range			
AC		x U <sub>s</sub>	

AC voltage operating range, min.		x U <sub>s</sub>	0.35
Maximum opening delay (response time until opening of the main contacts)		ms	Approx. 19
Minimum command time		ms	Approx. 10 - 15
<b>Terminal capacities</b>			
Solid or flexible conductor with ferrule		mm <sup>2</sup>	1 x (0.75 ... 2.5) 2 x (0.75 ... 2.5)
		AWG	1 x (18 ... 14) 2 x (18 ... 14)

### Technische Daten nach ETIM 4.0

Delayed			No
Suitable for load-break switches			YES
Suitable for overload relays			No
Design of electrical connection			Screw connection
Rated control voltage U <sub>s</sub> at AC 50 Hz		V	440
Rated control voltage U <sub>s</sub> at AC 60 Hz		V	440
Rated control voltage U <sub>s</sub> at DC		V	0
Suitable for motor protective circuit breakers			No
Suitable for circuit breakers			YES
Voltage type for actuation			AC
Number of contacts as N/C			0
Number of contacts as N/O			2
Number of changeover contacts			0

### Dimensions



### Additional product information (links)

ILO1203002Z (AWA1230-1914) Shunt release, undervoltage release, early-make auxiliary contact	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/ILO1203002Z2010_11.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/ILO1203002Z2010_11.pdf</a>
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