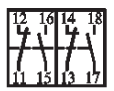
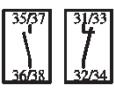
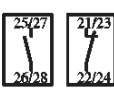
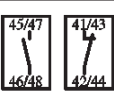


## Molded Case Circuit Breakers and Disconnect Switches Auxiliary Contacts for Type NZMH4-...

Contacts	Type Suffix	Price
N.O. = normally open N.C. = normally closed	Article No. when ordering with basic device	see price list
N.O.      N.C.		
<b>Standard auxiliary contacts</b>		
 2      2	<b>+NHI22-NZM4/6-NA</b> 082860	
<b>Early-make auxiliary contacts</b>		
 1      1	<b>+VHI-NZMH4-NA</b> 082864	
<b>Handle-operated early-make auxiliary contacts</b>		
 1      1	<b>+AHI-NZMH4-NA</b> 082865	
<b>Trip-indicating auxiliary contacts</b>		
 1      1	<b>+RHI-NZMH4-NA</b> 082866	


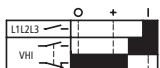


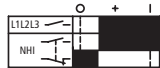
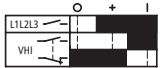
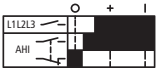
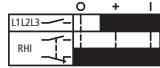
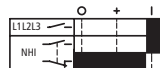
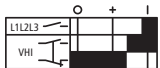
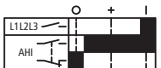
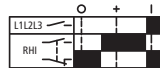
**Notes**

VHI, AHI and RHI are supplied as 1 N.O. and 1 N.C. contact set but can be field modified as 2 N.O. or 2 N.C.

Combination possibilities of auxiliary contacts:

NHI	VHI	AHI	RHI
●	●	-	-
●	-	●	-
●	-	-	●

Dots in each row represent the types which can be combined together. Dashes indicate incompatibility.

	NHI	VHI	AHI	RHI
	NHI standard auxiliary contacts operate simultaneously with the main contacts.	VHI early make auxiliary contacts lead the main contacts when switching ON as well as switching OFF.	AHI handle operated early-make auxiliary contacts operate in advance of the main contacts, shortly after the handle has left the OFF position.	RHI trip-indicating auxiliary contacts work independently of the normal ON and OFF operations of the device, switching only when the device has tripped due to overloads, over-currents or other tripping functions such as voltage trips.
	Typically used for signalling or switching auxiliary circuits such as a control circuit.	Typically used for load shedding purposes or in conjunction with voltage trips in control circuits.	Typically used to convert the manual actuation of the switch into a control function for circuit interlocking purposes.	
Position of auxiliary contacts $\mathcal{A}$	same as main contacts	same contact position in both OFF and Tripped position of the device	same contact position in both ON and Tripped position of the device	operates only when device is tripped
Main contacts ■ closed □ open				
Switching ON ○ $\mathcal{A}$ I				
Switching OFF ○ " I				
Tripped position + " I				



**Notes:**

Auxiliary contacts must be ordered with the device

## Molded Case Circuit Breakers and Disconnect Switches




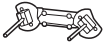
### Voltage Trips for Type NZMH4-...

Circuit Breakers, Disconnect Switches, Molded Case Switches

Rated Control Voltage	Type Suffix	Price	Notes
V/Hz	Article No. to be ordered with device only	see price list	
<b>Shunt trips</b>			
Short-time duty rating			
			
Short time actuation can be achieved by using the NHI auxiliary contact ahead in series with the shunt trip coil. Cannot be mounted together with undervoltage trips.			
AC	120V 60Hz	<b>+A-NZM4/6(120V60HZ)</b> 082867	Shunt trips are typically used to electrically trip the device from a remote location
	208V 60Hz	<b>+A-NZM4/6(208V60HZ)</b> 082868	
	240V 60Hz	<b>+A-NZM4/6(240V60HZ)</b> 082869	
	480V 60Hz	<b>+A-NZM4/6(480V60HZ)</b> 082870	
	600V 60Hz	<b>+A-NZM4/6(600V60HZ)</b> 082871	
DC	24 V	<b>+A-NZM4/6(24VDC)</b> 082228	
<b>Undervoltage trips, non-delayed</b>			
Continuous duty rating			
			
Power can be applied to the undervoltage trip using VHI early-make auxiliary contacts in series with the undervoltage trip coil.			
Cannot be mounted together with shunt trips.			
AC	120V 60Hz	<b>+U-NZM4/6(120V60HZ)</b> 082872	Undervoltage trips will electrically trip the device open under power loss and can be used for control interlocking purposes, e.g. to disconnect the main switch in Emergency-Stop circuits.
	208V 60Hz	<b>+U-NZM4/6(208V60HZ)</b> 082873	
	240V 60Hz	<b>+U-NZM4/6(240V60HZ)</b> 082874	
	480V 60Hz	<b>+U-NZM4/6(480V60HZ)</b> 082875	
	600V 60Hz	<b>+U-NZM4/6(600V60HZ)</b> 082876	
DC	24V	<b>+U-NZM4/6(24VDC)</b> 082242	

## Molded Case Circuit Breakers and Disconnect Switches

### Accessories for Type NZMH4-...

	Color of handle	for use with	Type Suffix Article No. when ordering with basic device	Type Article No. when ordering separately <sup>1)</sup>	Price see price list
<b>Handle for open or panel mounted devices</b>					
Fastens to shaft, not padlockable	gray	NZMH4-...	<b>+H4U</b> 002278	<b>H4U</b> 073789	
	black	NZMH4-...	<b>+H4U-SW</b> 063062	<b>H4U-SW</b> 034179	
					
<b>Handle for cover/door interlocking</b>					
Degree of protection UL/NEMA 3R, 12; IEC IP 55 Door coupling rotary handle. For front mounting in doors and covers. Can be locked in the OFF position with up to 3 padlocks (hasp thickness 6 - 8mm). Door/cover interlocking supplied standard set in OFF position. Can be field modified for setting in ON position. 3 distinct handle positions: OFF - + (tripped) - ON					
					
	gray	NZMH4-... NZM(H)6(B)-...	<b>+H6-NA</b> 005346	<b>H6-NA</b> 088445	
	black	NZMH4-... NZM(H)6(B)-...	<b>+H6-SW-NA</b> 106023	<b>H6-SW-NA</b> 088865	
for Emergency-Stop function	red-yellow	NZMH4-... NZM(H)6(B)-...	<b>+RH6-NA</b> 094994	<b>RH6-NA</b> 026874	
<b>Extension shaft</b>					
Mounting depth 150–400 mm. Extends shaft length by 266 mm. Can also be used with mechanical interlock.					
					
		NZMH4-... NZM(H)6(B)-...	<b>+A-NZM6</b> 058392	<b>A-NZM6</b> 026643	
<b>Switch position indicator</b>					
indicates position of switch when panel door is open					
		NZMH4-... NZM(H)6(B)-...	<b>+SA-NZM6</b> 056019	<b>SA-NZM6</b> 045867	
<b>Mechanical interlock</b>					
For mechanically interlocking 2 devices of the same frame size against one another (requires two handles, one for each switch). Order separately. When using a motor operator, electrical interlocking is required					
					
		NZMH4-...	<b>+KV-2NZM4</b> 052565	<b>KV-2NZM4</b> 067471	



Notes:

<sup>1)</sup> Accessories are field installable.

## Molded Case Circuit Breakers and Disconnect Switches

### Accessories for NZMH4-...

Circuit Breakers, Disconnect Switches, Molded Case

Color of handle	for use with	Type Suffix Article No. when ordered with basic device	Type Article No. when ordered separately <sup>1)</sup>	Price see price list
<b>Rear operation shafts</b>				
For side panel mounting where device is only accessible from the rear (e.g. sides of enclosure panels). Must be combined with H...R rear operation handle. Factory installed only. Order with device				
	NZMH4-...	<b>+R-NZMH4</b> 002963	-	
<b>Operating handle for rear operation</b>				
Used with rear operation shaft. Degree of protection UL/NEMA 3R, 12; IEC IP 55 Can be locked in the OFF position with up to 3 padlocks (hasp thickness 6 - 8mm). No cover/door interlocking provisions. 3 distinct handle positions: OFF - + (tripped) - ON				
	gray	NZMH4-... NZM(H)6(B)-...	<b>+H6-R-NA</b> 005347	<b>H6-R-NA</b> 059551
	black	NZMH4-... NZM(H)6(B)-...	<b>+H6-R-SW-NA</b> 106022	<b>H6-R-SW-NA</b> 201665
for Emergency-Stop functions	red-yellow	NZMH4-... NZM(H)6(B)-...	<b>+RH6-R-NA</b> 095224	<b>RH6-R-NA</b> 069043
<b>Legend plate (for mounting with operating handle)</b>				
Silver-colored				
				
Specify desired text Black lettering; height of letters 3.5, 5 and 7mm	NZMH4-... NZM(H)6(B)-...	<b>+ZSSOND-NZM6</b> 075003	<b>ZSSOND-NZM6</b> 064984	
Blank for engraving or printing	NZMH4-... NZM(H)6(B)-...	<b>+ZS60-NZM6</b> 077376	<b>ZS60-NZM6</b> 064913	
<b>Main disconnect warning plate</b>				
Silver-colored, black lettering, English inscription: "Main Switch - Open only in OFF Position"				
English	NZMH4-... NZM(H)6(B)-...	<b>+ZS62-NZM6</b> 053654	<b>ZS62-NZM6</b> 044161	
French		<b>+ZS63-NZM6</b> 056027	<b>ZS63-NZM6</b> 046534	
For other languages, see below <sup>2)</sup>		<b>+ZS...-NZM6</b> 952552	<b>ZS...-NZM6</b> 915218	

**Notes:** <sup>1)</sup> Accessories shown in this column are field installable

<sup>2)</sup> Engraved main disconnect warning plates are available in the following languages:





61 German	68 Italian	73 Romanian	78 Czech
64 Bulgarian	69 Greek	74 Russian	79 Turkish
65 Danish	70 Norwegian	75 Swedish	80 Hungarian
66 Finnish	71 Polish	76 Serbo-Croatian	81 Afrikaans
67 Dutch	72 Portuguese	77 Spanish	

Insert language key number into type number

**Example:**  
Warning plate in Italian language:  
ZS 68-NZM 6

## Molded Case Circuit Breakers and Disconnect Switches

### Accessories for NZMH4-...

	Type Suffix Article No. when ordered with basic device	Type Article No. when ordered separately <sup>1)</sup>	Price see price list
<p><b>Main disconnect switch assembly kits for CE marked control panels per IEC/EN 60 204-1</b></p> <p>NZMH4-... switches with dual UL/CSA and IEC/EN ratings are suitable for use as main disconnect switches in control panels that must be CE marked and designed to comply with the Machinery Directive Standard EN 60 204-1. The kits shown below, ordered with the device or separately, will provide the necessary accessories to fulfill the main disconnect switch function for these applications. Note: in cases where the main disconnect switch also fulfills the Emergency-Stop function, please specify kits containing red handle and yellow backing plate assemblies.</p> <ul style="list-style-type: none"> <li>• Main disconnect handle with door/cover interlock for front mounting,</li> <li>• Red color handle with yellow backing plate for Emergency-Stop function,</li> <li>• Terminal cover</li> <li>• Main switch marking plate</li> </ul> 	<b>+V-NZMH4</b> 047462	<b>V-NZMH4</b> 019939	
<ul style="list-style-type: none"> <li>• Main disconnect handle for rear operated switches, red in color with yellow backing plate for Emergency-Stop function,</li> <li>• supplied with steel plate for panel side mounting,</li> <li>• Terminal cover</li> <li>• Main switch marking plate</li> </ul> 	<b>+EA-NZM4</b> 081176	<b>EA-NZM4</b> 009963	
<p><b>Main disconnect switch assembly kit, black</b></p> <p>for front mounting Same as V-NZMH4, except that the main disconnect handle is black in color with silver backing plate for standard, non-Emergency-Stop function</p> 	<b>+V-NZMH4-SW</b> 054135	<b>V-NZMH4-SW</b> 054147	
<p>for rear operated switches Same as EA-NZMH4, except that the main disconnect handle is black in color with silver backing plate for standard, non-Emergency-Stop function</p> 	<b>+EA-NZM4-SW</b> 054143	<b>EA-NZM4-SW</b> 054155	

Notes:

<sup>1)</sup> Kits are field-installable

**Molded Case Circuit Breakers and Disconnect Switches**  
 Accessories for Type NZMH4-...-NA

	Type Suffix Article No. when ordered with basic device	Type Article No. when ordered separately <sup>1)</sup>	Price see price list
<b>Terminal cover</b> Provides shock hazard protection in the area of the field wiring power terminals. Can be used at top or bottom, one cover per side. Mandatory requirement on the supply side of main disconnect switches to provide protection against accidental contact with line side feed.			
	<b>+H-NZMH4</b> 091614	<b>H-NZMH4</b> 014880	
<b>Clip</b> for mounting NZMH4-... devices on a DIN rail (rail conforming to the standard EN 50 022)			
	<b>+C-NZMH4</b> 058364	<b>C-NZMH4</b> 034534	

Notes:

<sup>1)</sup> Accessories are field installable

Circuit Breakers,  
Disconnect Switches, Molded Case