

1 Molded Case Breaker – Page 8/44

480 V AC, 150 Amp rating
25 kA @ 480 VAC Interrupting rating
Field installable accessories
Supplied with terminals for cable hookup or bolt-on connection.
UL Listed (UL 489), CSA certified (C 22.2 # 5.1)
Conformity with (Circuit Breakers) IEC/EN 60 947-2 (pending)

1 Molded Case Switch – Page 8/45

600 VAC, 200 Amp rating
Field installable accessories
UL Listed (UL 1087), CSA certified (C 22.2 # 5.2)
Conformity with IEC/EN 60 947-3 (Switch-Disconnectors)

2 Auxiliary Contacts – Page 8/46

(Pictured right of toggle switch)
Type **NHI**... standard auxiliary contact:
For signalling ON and OFF positions
Type **RHI**... trip-indicating auxiliary contact:
For signalling the Tripped (“+”) position

2 Auxiliary Contacts & Voltage Trips – Page 8/47...49

(Pictured left of toggle switch)
Type **VHI**... Early-Make auxiliary contact:
For interlocking and load shedding purposes.
To power up the undervoltage trip prior to main contact closing

Shunt Trips

AC & DC versions
With and without Early-Make auxiliary contacts

Undervoltage Trips

AC & DC versions
With and without Early-Make auxiliary contacts

3 Terminal Cover – Page 8/53

Provides shock hazard protection against accidental contact with live terminals.
Mandatory use in Main Disconnect switch applications for CE panels in conformity with IEC/EN 60 204-1

4 Clip Plate– Page 8/52

Enables mounting of the NZM 7 on a DIN rail conforming to EN 50 022 specifications.

5 Rotary Drive Mechanism – Page 8/50

Converts toggle switch operation of the switch into a rotary movement suitable for rotary style operators.
Lockable in the OFF position. (Optional)

6 Rotary Handle – Page 8/50

To operate switch equipped with rotary drive mechanism.

7 Door/Cover Interlocking Rotary Handle – Page 8/50

For cover or door mounting.
Interlocking feature to prevent opening of door or cover with the switch in the ON position.
Padlockable in the OFF or ON position with up to 3 padlocks (hasp size: 1/4", 4 – 8mm). (Optional. Also comes without padlockable feature.)
Standard color: Black. Also available in red-yellow for Emergency-Stop function per CE and IEC/EN 60 204-1 specifications.
Degree of protection: UL/NEMA 12, IEC/EN: IP 55.



Molded Case Circuit Breakers and Switches Overview of Combination Options for Type NZM 7...



Auxiliary contacts

- (NHI...: Standard)
- (RHI...: Trip Indicating)
- (VHI...: Early-Make)

Voltage Trips

- (A...: Shunt Trip)
- (AVHI...: Shunt Trip with Early-Make Auxiliary Contact)
- (U...: Undervoltage Trip)
- (UHI...: Undervoltage Trip with Early-Make Auxiliary Contact)



EK...
(NHI)



EK...
(RHI)



VHI-NZM 7



A-NZM 7



AVHI-NZM 7



U-NZM 7



UHI NZM 7

**Molded Case Circuit Breakers
NZM 7(A)...N-NA**

● ● ● or ● or ● or ●

**Molded Case Switches
NZM 7...-NA**

● ● ● or ● or ● or ●

**Molded Case Circuit Breakers
+ Remote Control Drive
NZM 7(A)...N-NA + R-NZM 7**

● ● — ● — or ● —

**Molded Case Switches
+ Remote Control Drive
NZM 7...-NA + R-NZM 7**

● ● — ● — or ● —

● Dots in each row represent the accessories which can be combined together in the types shown at left.

○ Circles indicate supplied as standard.







— Dashes indicate incompatibility.

All accessories can be field or factory installed.

Disconnect Switches, Molded Case Switches
Circuit Breakers



Molded Case Circuit Breakers and Switches Overview of Combination Options for Type NZM 7...

Remote Control Drive	Handle Operators					Connection systems	
	Rotary Drive Mechanism	Rotary handle	Cover/Door Interlocking Rotary handle NEMA/UL Type 12; IP 55		Cable Terminals (included as standard)	Bolt-on Connection (Optional)	
							
R-NZM 7	DA(OV)-NZM 7	HU(Z)-NZM 7	(R)H-NZM 7	HOV-NZM 7		NZM 7(A)...N-NA-M8 NZM 7 ...-NA-M8	
● or	●	● or	● or	●	○	●	
● or	●	● or	● or	●	○	●	
○	—	—	—	—	○	●	
○	—	—	—	—	○	●	

Circuit Breakers
Disconnect Switches, Molded Case Switches



**Inverse Time Circuit Breakers, 150 Amps, 600 VAC
Thermal-Magnetic Type NZM 7...S-NA**

UL/CSA, IEC/EN 60 947-2¹⁾

1	2	3	4	5	6	7	8
	Continuous Current Rating I_u Amps	Fixed Thermal Setting Amps	Adjustable Thermal Setting Amps	Magnetic Trip Setting for Instantaneous Response Amps	UL/CSA Interrupting ratings (AC, 60Hz) RMS Sym Amps @ 240V 480V 600V	Type	Price \$

Pressure-wire terminals and fixed thermal setting

Type NZM 7A-...S-NA



(150A)

40	25	—	Fixed: $9.5 \times I_u$	100kA 50kA 22kA	NZM 7A-25S-NA NZM 7A-30S-NA NZM 7A-35S-NA NZM 7A-40S-NA NZM 7A-50S-NA NZM 7A-60S-NA NZM 7A-70S-NA NZM 7A-80S-NA NZM 7A-90S-NA NZM 7A-100S-NA NZM 7A-125S-NA NZM 7A-150S-NA
60	30	—	Adjustable Range: $6 - 12 \times I_u$		
	35	—			
80	40	—			
	50	—			
100	60	—			
	70	—			
	80	—			
125	90	—			
	100	—			
150	125	—			
	150	—			

Pressure-wire terminals and adjustable thermal setting

Type NZM 7A-...S-NA

40	—	25 – 40	$9.5 \times I_u$	100kA 50kA 22kA	NZM 7-40S-NA NZM 7-63S-NA NZM 7-80S-NA NZM 7-100S-NA NZM 7-125S-NA NZM 7-150S-NA
60	—	40 – 60	$6 - 12 \times I_u$		
80	—	60 – 80			
100	—	80 – 100			
125	—	100 – 125			
150	—	125 – 150			

Fixed thermal setting and provisions for bolt-on connection

Type NZM 7A-...S-NA

40	25	—	Fixed: $9.5 \times I_u$	100kA 50kA 22kA	NZM 7A-25S-NA-M8 NZM 7A-30S-NA-M8 NZM 7A-35S-NA-M8 NZM 7A-40S-NA-M8 NZM 7A-50S-NA-M8 NZM 7A-60S-NA-M8 NZM 7A-70S-NA-M8 NZM 7A-80S-NA-M8 NZM 7A-90S-NA-M8 NZM 7A-100S-NA-M8 NZM 7A-125S-NA-M8 NZM 7A-150S-NA-M8
60	30	—	Adjustable Range: $6 - 12 \times I_u$		
	35	—			
80	40	—			
	50	—			
100	60	—			
	70	—			
	80	—			
125	90	—			
	100	—			
150	125	—			
	150	—			

Adjustable thermal setting and provisions for bolt-on connection

Type NZM 7-...S-NA

40	—	25 – 40	$9.5 \times I_u$	100kA 50kA 22kA	NZM 7-40S-NA-M8 NZM 7-63S-NA-M8 NZM 7-80S-NA-M8 NZM 7-100S-NA-M8 NZM 7-125S-NA-M8 NZM 7-150S-NA-M8
60	—	40 – 60	$6 - 12 \times I_u$		
80	—	60 – 80			
100	—	80 – 100			
125	—	100 – 125			
150	—	125 – 150			

Ordering Information: Specify Type from Column 7.
Example: **NZM 7A-25S-NA**

For accessories see pages 8/46 - 53 in the Main Catalog USA 2000 / 2001

1) Conformity with IEC/EN 60 947-2 pending.


Disconnect Switches, Molded Case Switches

Circuit Breakers



**Inverse Time Circuit Breakers, 150 Amps, 480 VAC
Thermal-Magnetic Type NZM 7...-NA**

UL/CSA, IEC/EN 60 947-2¹⁾


1	2	3	4	5	6	7	8	
	Continuous Current Rating	Fixed Thermal Setting	Adjustable Thermal Setting	Magnetic Trip Setting for Instantaneous Response	UL/CSA Interrupting ratings (AC, 60Hz) RMS Sym Amps @	Type	Price	
	I_u Amps	Amps	Amps	Amps	240 V 480 V		\$	
Pressure-wire terminals and fixed thermal setting Type NZM 7A-...N-NA								
 (150A)	40	25 30 35 40	— — — —	Fixed: $9.5 \times I_u$	65 kA 25 kA	NZM 7A-25N-NA NZM 7A-30N-NA NZM 7A-35N-NA NZM 7A-40N-NA	See Price List See Price List See Price List See Price List	
	60	50 60	— —	Adjustable Range: $6 - 12 \times I_u$		NZM 7A-50N-NA NZM 7A-60N-NA NZM 7A-70N-NA NZM 7A-80N-NA NZM 7A-90N-NA NZM 7A-100N-NA NZM 7A-125N-NA NZM 7A-150N-NA	See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List	
	80	70 80	— —					
	100	90 100	— —					
	125	125	—					
	150	150	—					
	Pressure-wire terminals and adjustable thermal setting Type NZM 7A-...N-NA							
		40	—	25 – 40	$9.5 \times I_u$	65 kA 25 kA	NZM 7-40N-NA	See Price List
		60	—	40 – 60	$6 - 12 \times I_u$		NZM 7-63N-NA NZM 7-80N-NA NZM 7-100N-NA NZM 7-125N-NA NZM 7-150N-NA	See Price List See Price List See Price List See Price List See Price List
		80	—	60 – 80				
	100	—	80 – 100					
	125	—	100 – 125					
	150	—	125 – 150					
Fixed thermal setting and provisions for bolt-on connection Type NZM 7A-...N-NA								
	40	25 30 35 40	— — — —	Fixed: $9.5 \times I_u$	65 kA 25 kA	NZM 7A-25N-NA-M8 NZM 7A-30N-NA-M8 NZM 7A-35N-NA-M8 NZM 7A-40N-NA-M8	See Price List See Price List See Price List See Price List	
	60	50 60	— —	Adjustable Range: $6 - 12 \times I_u$		NZM 7A-50N-NA-M8 NZM 7A-60N-NA-M8 NZM 7A-70N-NA-M8 NZM 7A-80N-NA-M8 NZM 7A-90N-NA-M8 NZM 7A-100N-NA-M8 NZM 7A-125N-NA-M8 NZM 7A-150N-NA-M8	See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List	
	80	70 80	— —					
	100	90 100	— —					
	125	125	—					
	150	150	—					
Adjustable thermal setting and provisions for bolt-on connection Type NZM 7-...N-NA								
	40	—	25 – 40	$9.5 \times I_u$	65 kA 25 kA	NZM 7-40N-NA-M8	See Price List	
	60	—	40 – 60	$6 - 12 \times I_u$		NZM 7-63N-NA-M8 NZM 7-80N-NA-M8 NZM 7-100N-NA-M8 NZM 7-125N-NA-M8 NZM 7-150N-NA-M8	See Price List See Price List See Price List See Price List See Price List	
	80	—	60 – 80					
	100	—	80 – 100					
	125	—	100 – 125					
	150	—	125 – 150					

Ordering Information: Specify Type from Column 7.
Example: **NZM 7A-25N-NA**.

1) Conformity with IEC/EN 60 947-2 pending. Consult the technical data at the back of this section and Moeller Electric for IEC/EN ratings.

Disconnect Switches, Molded Case Switches



1	2	3	4	5
	Ampere Rating	Type	Price	Notes
	Amps			
Molded Case Switches				
With pressure wire terminals for cable connection				
	60	NZM 7-60-NA	See Price List	UL/CSA Short Circuit Current Rating: With 225 A Fuse Backup: - 50 kA RMS Sym @ 600 VAC With 250 A Circuit-Breaker Backup: - 25 kA RMS Sym @ 480 VAC - 18 kA RMS Sym @ 600 VAC
	100	NZM 7-100-NA	See Price List	
	125	NZM 7-125-NA	See Price List	
	150	NZM 7-150-NA	See Price List	
	200	NZM 7-200-NA	See Price List	
Molded Case Switches				
With provisions for bolt-on connection				
	60	NZM 7-60-NA-M8	See Price List	
	100	NZM 7-100-NA-M8	See Price List	
	125	NZM 7-125-NA-M8	See Price List	
	150	NZM 7-150-NA-M8	See Price List	
	200	NZM 7-200-NA-M8	See Price List	

Type **NZM 7(A)...-NA(M8)** Molded Case Circuit Breakers (opposite page) are UL Listed (UL 489) and CSA Certified (22.2 Nr. 5.1) Inverse Time, 150A Thermal-Magnetic Circuit Breakers that are available with either a fixed or adjustable thermal trip feature and an adjustable magnetic trip function. (In Breakers rated 25 to 40 Amp, the magnetic trip function is fixed at 9.5 x 40A (Iu) i.e. 385A).

Type **NZM 7...-NA(-M8)** Molded Case Switches (shown above) are virtually identical in construction to the Molded Case Circuit Breakers except that they are manual, non-automatic switches without any overload or overcurrent protective features, and are rated up to 200Amps.

All Molded Case Switches are UL Listed (UL 1087) and CSA certified (C 22.2 Nr. 5.2). They also are in Conformity with IEC/EN 60 947-3 (Switch-Disconnectors) and are CE marked. (Consult the Technical Data at the end of this section and Moeller Electric for IEC/EN ratings.)

Molded Case Switches are tested to determine their acceptability for continuous operation at their marked rated load. In addition, they are tested at six times their full ampere rating to cover motor circuit applications and are suitable for use as motor circuit disconnects per Section 430-109 of the National Electrical Code.

Both breakers and switches are supplied as standard with pressure wire terminals to accept cable connection, but are also suitable for bolt-on connections using crimped lugs or straight lengths of Cu busbar (Type suffix “-M8”).










Accessories such as voltage trips, auxiliary contacts, rotary handles etc... are common to all **NZM 7** circuit breakers and molded case switches and are UL listed and CSA certified for field installation.

Ordering Information:
Specify Type from Column 3. Example: **NZM 7-60-NA**.



Molded Case Circuit Breakers and Switches

Auxiliary Contacts for Type NZM 7...-NA

1	2	3	4	5	6
		Contact sequence	Type	Price	Notes
				\$	
NHI Standard auxiliary contacts Switching simultaneously with the main contacts. They can be typically used for signalling, interlocking or switching auxiliary circuits such as a control circuit.		1.13 	N.O.	EK 10	Two EK... NHI type contacts can be snap fitted into the Circuit Breaker or Molded Case Switch.
		1.14 	N.C.	EK 01	
VHI Early-Make auxiliary contacts Leading the main contacts when switching ON as well as switching OFF. Ideal for load shedding purposes or in conjunction with voltage trips in control circuits.		3.13 3.33 	2 X E.M.	VHI-NZM 7	One VHI...Type contact module per Circuit Breaker or Molded Case Switch. Cannot be used in conjunction with the R-NZM 7 Remote Control Drive.
		3.14 3.34 			
RHI Trip-indicating auxiliary contacts Actuating independently of the normal ON and OFF operations of the device, switching only when the device has tripped due to overcurrents or other tripping causes such as those initiated by voltage trips.		4.13 	N.O.	EK 10	One EK... RHI type contact (either N.O. or N.C.) can be snap fitted into the Circuit Breaker or Molded Case Switch for trip indication.
		4.14 	N.C.	EK 01	

Disconnect Switches, Molded Case Switches

Circuit Breakers

Auxiliary Contacts are field installable.

Auxiliary Contacts and Voltage Trips can be combined as follows:

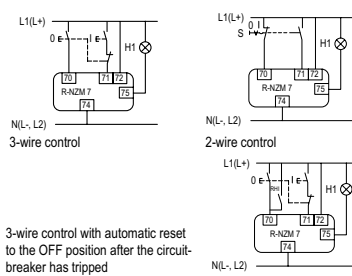


Ordering information:
Specify Type from column 4.
Example: **EK 10**

If ordering with device, just specify a "+" in front of the Type number. Example: **+ EK 10**

NHI 2 x EK...	RHI 1 x EK...	VHI	A	AVHI	U	U(V)HI
●	●	●	—	—	—	—
●	●	—	●	—	—	—
●	●	—	—	●	—	—
●	●	—	—	—	●	—
●	●	—	—	—	—	●

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

Molded Case Circuit Breakers and Switches Remote Control Drive and Shunt Trips for Type NZM 7...-NA

1	2	3	4	5
	Rated Actuating Voltage (U _s)	Type	Price \$	Notes
<p>Remote Control Drive</p> <p>Operates the NZM 7 Circuit Breaker or Molded Case Switch electrically from a remote location. Switching Times: ON 100ms, OFF 100ms Local manual operation of the switch possible. Field installable.</p>	AC/DC 110...120 AC/DC 220...240 DC 24 DC 48...60	R-NZM 7 (110-120V) R-NZM 7 (220-240V) R-NZM 7 (24V) R-NZM 7 (48-60V)	See Price List See Price List See Price List See Price List	 <p>3-wire control</p> <p>2-wire control</p> <p>3-wire control with automatic reset to the OFF position after the circuit-breaker has tripped</p>
<p>Shunt Trips</p> <p>Shunt Trips are typically used to electrically trip the device from a remote location. The A...-NZM 7 series is rated for 100% continuous duty. Shunt Trips cannot be mounted together with Undervoltage Trips.</p>				
<p>Shunt Trips without Auxiliary Contacts</p> 	AC/DC ¹⁾	12 A-NZM 7 (12V) 24 A-NZM 7 (24V) 48 A-NZM 7 (48V) 60 A-NZM 7 (60V) 110-120 A-NZM 7 (110-120V) 125-130 A-NZM 7 (125-130V) 208-215 A-NZM 7 (208-215V) 220-240 A-NZM 7 (220-240V) 380-415 A-NZM 7 (380-415V) 440-480 A-NZM 7 (440-480V)	See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List	<p>Field installable and suitable for mounting into NZM 7 Circuit Breakers and Molded Case Switches. Shunt Trips are rated for both AC and DC voltages and can accommodate a frequency range between 0 and 400 Hz.</p>
<p>Shunt Trips with Early-Make auxiliary contacts</p> 	AC/DC ¹⁾	12 AVHI-NZM 7 (12V) 24 AVHI-NZM 7 (24V) 48 AVHI-NZM 7 (48V) 60 AVHI-NZM 7 (60V) 110-120 AVHI-NZM 7 (110-120V) 125-130 AVHI-NZM 7 (125-130V) 208-215 AVHI-NZM 7 (208-215V) 220-240 AVHI-NZM 7 (220-240V) 380-415 AVHI-NZM 7 (380-415V) 440-480 AVHI-NZM 7 (440-480V)	See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List	<p>Field installable and suitable for mounting into NZM 7 Circuit Breakers and Molded Case Switches. Shunt Trips are rated for both AC and DC voltages and can accommodate a frequency range between 0 and 400 Hz. The Shunt Trip and Early-Make contacts operate independently of one another. Note: The Early-Make feature of the contact is not effective when it is combined with the R-NZM 7 Remote Control Drive.</p>

Accessories are field installable.

Ordering information:
Specify Type from column 3.
Example: **A-NZM 7 (110-120V)**

If ordering with device, just specify a "+" in front of the Type number.
Example: **+ A-NZM 7 (110-120V)**

Auxiliary Contacts and Voltage Trips can be combined as follows:

NHI 2 x EK...	RHI 1 x EK...	VHI	A	AVHI	U	U(V)HI
●	●	●	—	—	—	—
●	●	—	●	—	—	—
●	●	—	—	●	—	—
●	●	—	—	—	●	—
●	●	—	—	—	—	●

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

1) Maximum UL/CSA DC voltage is 125 VDC.

A Molded Case Circuit Breakers and Switches

Undervoltage Trips for Type NZM 7...-N

1	2	3	4
	Rated Actuating Voltage (U _s)	Type suffix	Price
			\$

Undervoltage Trips

Undelayed response

Undervoltage Trips will electrically trip the device open under power loss (when supply voltage drops below 35 – 70% of rated trip coil value) and can be used for control interlocking purposes e.g. to disconnect the main switch in Emergency-Stop circuits. They are rated for continuous duty.

Undervoltage Trips cannot be mounted together with Shunt Trips.

Undervoltage Trips without Auxiliary Contacts



AC	Rated Voltage (U _s)	Type suffix
	24	U-NZM 7 (24V AC)
	48	U-NZM 7 (48V AC)
	60	U-NZM 7 (60V AC)
	110 – 120	U-NZM 7 (110-120V AC)
	125 – 130	U-NZM 7 (125-130V AC)
	208 – 215	U-NZM 7 (208-215V AC)
	220 – 240	U-NZM 7 (220-240V AC)
	380 – 415	U-NZM 7 (380-415V AC)
	440 – 480	U-NZM 7 (440-480V AC)
DC	Rated Voltage (U _s)	Type suffix
	24	U-NZM 7 (24V DC)
	48	U-NZM 7 (48V DC)
	60	U-NZM 7 (60V DC)
	110 – 120	U-NZM 7 (110-120V DC)
	125	U-NZM 7 (125-130V DC)

See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List See Price List

Disconnect Switches, Molded Case Switches



Undervoltage Trips are field installable.

Ordering information:

Specify Type from column 3.

Example: **U-NZM 7 (110-120V AC)**

If ordering with device, just specify a "+" in front of the Type number.


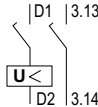
Example: **+ U-NZM 7 (110-120V AC)**

Auxiliary Contacts and Voltage Trips can be combined as follows:

NHI 2 x EK...	RHI 1 x EK...	VHI	A	AVHI	U	U(V)HI
●	●	●	—	—	—	—
●	●	—	●	—	—	—
●	●	—	—	●	—	—
●	●	—	—	—	●	—
●	●	—	—	—	—	●

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

Molded Case Circuit Breakers and Switches Undervoltage Trips for Type NZM 7...-NA

1	2	3	4		
	Rated Actuating Voltage (U _s)	Type suffix	Price \$		
Undervoltage Trips Undelayed response Undervoltage Trips will electrically trip the device open under power loss (when supply voltage drops below 35 – 70% of rated trip coil value) and can be used for control interlocking purposes e.g. to disconnect the main switch in Emergency-Stop circuits. They are rated for continuous duty. Undervoltage Trips cannot be mounted together with Shunt Trips.					
Undervoltage Trips with Early-Make Auxiliary ¹⁾					
 	AC	24	UHI-NZM 7 (24V AC)	See Price List	See Price List
		48	UHI-NZM 7 (48V AC)		
		60	UHI-NZM 7 (60V AC)		
		110 – 120	UHI-NZM 7 (110-120V AC)		
		125 – 130	UHI-NZM 7 (125-130V AC)		
		208 – 215	UHI-NZM 7 (208-215V AC)		
		220 – 240	UHI-NZM 7 (220-240V AC)		
		380 – 415	UHI-NZM 7 (380-415V AC)		
	440 – 480	UHI-NZM 7 (440-480V AC)			
	DC	24	UHI-NZM 7 (24V DC)		
		48	UHI-NZM 7 (48V DC)		
		60	UHI-NZM 7 (60V DC)		
		110 – 120	UHI-NZM 7 (110-120V DC)		
		125	UHI-NZM 7 (125-130V DC)		

Undervoltage Trips are field installable.

Ordering information:
Specify Type from column 3.
Example: **UHI-NZM 7 (110-120V AC)**

If ordering with device, just specify a “+” in front of the Type number.
Example: **+ UHI-NZM 7 (110-120V AC)**

Auxiliary Contacts and Voltage Trips can be combined as follows:




NHI 2 x EK...	RHI 1 x EK...	VHI	A	AVHI	U	U(V)HI
●	●	●	—	—	—	—
●	●	—	●	—	—	—
●	●	—	—	●	—	—
●	●	—	—	—	●	—
●	●	—	—	—	—	●

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

1) Cannot be used in conjunction with **R-NZM 7** Remote Control Drive.





Molded Case Circuit Breakers and Switches Accessories for Type NZM 7...-NA

1	2	3	4	5
		Type	Price	Notes
			\$	
	<p>Insulating frame for door cutout (IP 40) Fits around the cutout area of the panel door through which the toggle mechanism on the front part of the switch protrudes.</p> 	RT-NZM 7	See Price List	Fastened from the back using screws. Can be inscribed.
	<p>Rotary Drive Mechanism Converts ON and OFF switching from a toggle motion to a rotary motion</p> <p>Without padlocking feature</p> 	DAOV-NZM 7	See Price List	Can be locked in the OFF position with up to 3 padlocks. Hasp thickness 4 – 8 mm.
	<p>With additional padlocking feature</p>	DA-NZM 7	See Price List	
	<p>Rotary handle for open or panel mounted switches Black color. Rotary Drive Mechanism required. Fastens to shaft, not padlockable</p> 	HU-NZM 7	See Price List	
	<p>Handle for Cover/Door Interlocking Degree of protection UL/NEMA 12; IEC IP 55 Door coupling rotary handle. For front mounting in doors and covers. Door/cover interlocking supplied standard set in OFF position. 3 distinct Handle positions: OFF - + (tripped) - ON.</p> <p>Black color (Standard)</p> 	H-NZM 7-NA	See Price List	<p>Note: Rotary Drive Mechanism required.</p> <p>Handles can be locked in the OFF or ON position with up to 3 padlocks. Hasp thickness 4 – 8 mm. Handle position is fixed when door or cover is open.</p> <p>Same features as the H-NZM 7-NA except that the padlocking feature is omitted.</p>
	<p>Red-yellow For use as an Emergency-Stop Main Disconnect switch per IEC/EN 60204-1 (CE, Machinery Directive)</p> 	RH-NZM 7-NA	See Price List	
	<p>Black, without padlocking feature</p> 	HOV-NZM 7-NA	See Price List	
	<p>Extension shaft Can be cut to required length For mounting depths in the range of 175 – 400 mm</p> 	A400-NZM 7	See Price List	
	<p>For mounting depths in the range of 260 – 600 mm</p>	A600-NZM 7	See Price List	

Ordering information
Specify Type from column 3. Example: **H-NZM 7-NA**
If ordering with device, just specify a "+" in front of the Type number. Example: **+ H-NZM 7-NA**.

Molded Case Circuit Breakers and Switches Accessories for Type NZM 7...-NA


1	2	3	4	5																				
		Type	Price	Notes																				
			\$																					
	<p>Side wall operator Enables actuation of the switch from its left or right side as opposed to the front.</p> <p>For operation on the left</p> <p>For operation on the right</p> 	<p>SWA-NZM 7-L</p> <p>SWA-NZM 7-R</p>	<p>See Price List</p> <p>See Price List</p>	<p>The SWA shifts the rotary movement of the switch by 90° and permits the rotary handle to mount and actuate the switch from the side of the control panel enclosure.</p> <p>The SWA... mechanism mounts directly on top of the DA(OV) Rotary Drive Mechanism. An extension shaft (280 mm) with a special coupling piece is supplied with the unit.</p>																				
	<p>Mounting bracket for side-panel mounting</p> 	<p>MSWA-NZM 7</p>	<p>See Price List</p>	<p>For mounting the switch directly into the side panel of the enclosure.</p> <p>For use only with SWA... side wall operator equipped switches.</p>																				
	<p>Main Disconnect Switch Assembly Kits for CE marked control panels per IEC/EN 60 204-1 (Machinery Directive)</p> <p>With door interlocking rotary handle. Color: Black for standard Main Disconnect function</p> <p>With door interlocking rotary handle. Color: Red-Yellow for Main Disconnect switches fulfilling the Emergency-Stop function.</p>	<p>V-NZM 7-SW</p> <p>V-NZM 7</p>	<p>See Price List</p> <p>See Price List</p>	<p>These kits provide the necessary accessories to fulfill the Main Disconnect switch function per the Machinery Directive standard IEC 60 204-1.</p> <p>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> <p>V... Kits contain:</p> <ul style="list-style-type: none"> • Door interlocking rotary handle • DAOV rotary drive • Extension shaft for 400 mm mounting depth • External warning plate • Black lightning symbol 																				
	<p>For side wall installation</p> <p>With black rotary handle</p> <p>For operation on the left</p> <p>For operation on the right</p> <p>With red-yellow rotary handle for use as Emergency-Stop devices to IEC/EN 60204-1</p> <p>For operation on the left</p> <p>For operation on the right</p>	<p>EA-NZM 7-L</p> <p>EA-NZM 7-R</p> <p>EA-RT-NZM 7-L</p> <p>EA-RT-NZM 7-R</p>	<p>See Price List</p> <p>See Price List</p> <p>See Price List</p> <p>See Price List</p>	<p>EA... Kits contain:</p> <ul style="list-style-type: none"> • Door coupling rotary handle • DAOV rotary drive • Side wall operator with extension shaft • Mounting brackets • External warning plate • Black lightning symbol 																				
	<p>External warning plate</p> <p>English text Inscription: "Main Switch – Open only in OFF position"</p> <p>Blank</p> <p>Other Languages</p>	<p>ZFS 62-NZM 7</p> <p>ZFS 60-NZM 7</p> <p>ZFS...-NZM 7</p>	<p>See Price List</p> <p>See Price List</p> <p>See Price List</p>	<p>External warning plates available in:</p> <table border="0"> <tr> <td>61 German</td> <td>72 Portuguese</td> </tr> <tr> <td>63 French</td> <td>73 Romanian</td> </tr> <tr> <td>64 Bulgarian</td> <td>74 Russian</td> </tr> <tr> <td>65 Danish</td> <td>75 Swedish</td> </tr> <tr> <td>66 Finnish</td> <td>76 Serbo-Croatia</td> </tr> <tr> <td>67 Dutch</td> <td>77 Spanish</td> </tr> <tr> <td>68 Italian</td> <td>78 Czech</td> </tr> <tr> <td>69 Greek</td> <td>79 Turkish</td> </tr> <tr> <td>70 Norwegian</td> <td>80 Hungarian</td> </tr> <tr> <td>71 Polish</td> <td>81 Afrikaans</td> </tr> </table> <p>To obtain warning plates in other languages, insert the language code number into the type reference. Example: External warning plate in French would be, ZFS 63-NZM 7</p>	61 German	72 Portuguese	63 French	73 Romanian	64 Bulgarian	74 Russian	65 Danish	75 Swedish	66 Finnish	76 Serbo-Croatia	67 Dutch	77 Spanish	68 Italian	78 Czech	69 Greek	79 Turkish	70 Norwegian	80 Hungarian	71 Polish	81 Afrikaans
61 German	72 Portuguese																							
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67 Dutch	77 Spanish																							
68 Italian	78 Czech																							
69 Greek	79 Turkish																							
70 Norwegian	80 Hungarian																							
71 Polish	81 Afrikaans																							

Ordering information:

Specify Type from column 3. Example: **SWA-NZM 7- L**

If ordering with device, just specify a "+" in front of the Type number. Example: **+ SWA-NZM 7- L**

Molded Case Circuit Breakers and Switches Accessories for Type NZM 7...-NA

1	2	3	4	5
		Type	Price	
			\$	
	Mechanical interlock	KV 2-NZM 7	See Price List	For interlocking two Type NZM 7... Circuit Breakers or Molded Case Switches
	Clip plate	 C-NZM 7	See Price List	For mounting two Type NZM 7... Circuit Breakers or Molded Case Switches onto a DIN rail conforming to EN 50 022. Clip plate not suitable for switches equipped with R-NZM 7 Remote Control Drives.

Disconnect Switches, Molded Case Switches

Circuit Breakers



Ordering information:
Specify Type from column 3. Example: **KV 2-NZM 7**
If ordering with device, just specify a "+" in front of the Type number. Example: **+ KV 2-NZM 7**