

Factory Configured Drawout Cassettes

Factory configured cassettes for drawout Magnum Power Circuit Breakers are ordered using a 15-digit catalog numbering system. Cassette configuration is achieved by using a simple 2-step process.

Step 1: Select a 7-Digit Cassette Catalog Number Prefix.

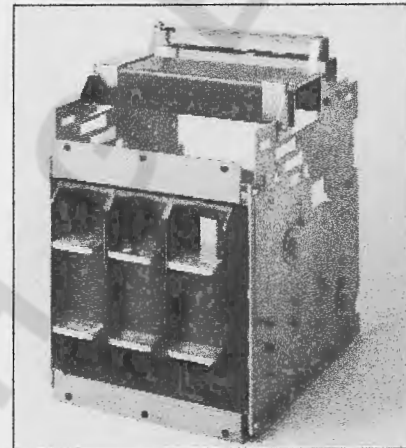
Choose the cassette prefix from Tables 5.20 and 5.21 based on the following:

- Magnum Cassette Type
- Number of Poles
- Magnum Breaker Frame Type
- Continuous Current Rating
- Magnum Frame Type

Step 2: Select Cassette Catalog Positions 8 through 15 to designate factory installed options as follows:

- **Catalog Positions 8 and 9** per Table 5.22 are reserved for a future option.
- **Catalog Position 10** establishes if optional shutters are installed per Table 5.23.
- **Catalog Positions 11 through 13** per Table 5.24 are reserved for future options.
- **Catalog Positions 14 and 15** establishes if the cassette is pre-wired per per Table 5.25.

Narrow Frame Cassette (Front and Rear Views)



Catalog Number Character Positions														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
W							N	N		N	N			C

Character Position	Description
1	Cassette Family
2	Future Use
3 & 4	Continuous Amperes
5	Poles
6	Rear Terminals
7	Arc Hood
8	Future Use

Character Position	Description
9	Future Use
10	Shutters
11	Future Use
12	Future Use
13	Future Use
14	Cassette Wiring
15	Cassette Shipping

Figure 5-2 Drawout Cassette 15-character Catalog Number Selections

Table 5.26 Cassette Shutter Field Option Kit

Pre-wired cassettes include wiring and terminal blocks mounted and wired to secondary contacts ready to receive air circuit breaker.

Magnum Breaker Frame	Poles	Continuous Current Rating (A)	Catalog Number
Narrow	3 pole	800-2000	MDNSHTR3P
Standard	3 pole	800-3200	MISHTR332
Double	3 pole	4000-6300	MISHTR363
Narrow	4 pole	800-2000	MDNSHTR4P
Standard	4 pole	800-3200	MISHTR432
Double	4 pole	4000-6300	MISHTR463

Table 5.27 Cassette Cell Switch Field Option Kit

This is a field installable kit for use with drawout cassettes and is for customer installation. The switch changes position when the circuit breaker is levered to the CONNECT position. The kit includes the switch, mounting bracket and hardware for customer installation. The switch kit also includes pre-installed wiring for easy field installation to cassette cell secondary terminal blocks.

Magnum Breaker Frame and Cassette Types	Catalog Number	Description	Type
All	MICELLSW1	4 Form C Contacts	Switch Only
All	M4CS	4 Form C Contacts	Kit with Mounting Bracket
All	M8CS	8 Form C Contacts	Kit with Mounting Bracket
All	M12CS	12 Form C Contacts	Kit with Mounting Bracket

Table 5.28 Cassette Cell Lock Provision Field Option Kit

This is a field installable kit for use with drawout cassettes and is for customer installation. The kit includes mounting provisions for single or multi-cylinder Kirk or Castell locks provided and fitted to the cassette by the customer.

Catalog Number	Lock
MCASSPRL	Left Side
MCASSPRR	Right Side

Table 5.29 Secondary Contact Wiring Field Option Kit

This is a field installable kit for use in wiring fixed circuit breakers or drawout circuit breaker cassette secondary contacts or for adding option kits in the field. Each kit can be used to complete as many as three circuit breakers, depending on the number and type of accessories required for the circuit breaker.

Description	Catalog Number	Kit Contents
Secondary Terminal Block Kit Secondary Terminal Wire Kit Secondary Terminal Wire Kit Secondary Terminal Repair Kit ^① with Extraction Tool	MSECBK MSECWR MKW40 MSECTOOL	Quantity 15 6-Point Terminal Blocks with Labels Quantity 90 Wires for Connecting Secondary Blocks Quantity 30 Wires 40 Inches Long for Fixed Circuit Breaker Connecting Secondary Blocks Quantity 12 Wires, Quantity 2 6-point Terminal Blocks, and 1 Amp, Inc. Removal Tool

^① Pin Removal Tool can be purchased directly from AMP, Inc. under Part Number 3205183

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Table 5.20 Cassettes for Drawout Circuit Breakers (First 6 Character Positions of Catalog Number)

Cassette standard features include an arc hood, provisions for secondary terminal blocks including wiring, and a cell rejection kit. Cassettes may be shipped with the circuit breaker by specifying breaker Catalog Character Position 24.

Catalog Number Positions 1 to 6	Magnum Circuit Breaker Frame Type	Poles	Continuous Current Rating (A) at 40°C
NN203H	Narrow	3 pole	800-2000
EN203H	Standard	3 pole	800-2000
EN323H	Standard	3 pole	2500-3200
EN403H	Double	3 pole	4000
EN503H	Double	3 pole	5000-6300
NN204H	Narrow	4 pole	800-2000
EN204H	Standard	4 pole	800-2000
EN324H	Standard	4 pole	2500-3200
EN404H	Double	4 pole	4000
EN504H	Double	4 pole	5000-6300

Table 5.21 Cassette Arc Hood (Positions 7 of Catalog Number)

Factory installed cassette arc hood option.

Catalog Number Position 7	Description
A	600 Vac Breakers
K	1100 Vac Breakers

Table 5.22 Cassette Door Escutcheon and Gasket Kit Option (Positions 8 and 9 of Catalog Number)

Factory fitted option to ship kit with cassette.

Catalog Number Positions 8 and 9	Door Escutcheon & Gasket Kit
DN	Included
XN	Not Included

Table 5.23 Cassette Shutters Option (Character Position 10 of Catalog Number)

Shutters can be factory installed or are also available as a field installation kit for customer installation.

Catalog Number Position 10	Description	Magnum ACB Frame Type	Poles	Continuous Current Rating (A) at 40°C
N	No Shutters	All Frames	3 and 4 pole	All Ratings
S	Shutters Installed	All Frames	3 and 4 pole	All Ratings

Table 5.24 Future Cassette Option (Positions 11 to 13 of Catalog Number)

Catalog Number Position 11 - 13	Cassette Type
NNN	All Cassettes

Table 5.25 Pre-wired Cassettes Option (Character Positions 14 and 15 of Catalog Number)

Pre-wired cassettes include wiring and terminal blocks mounted and wired to secondary contacts ready to receive the circuit breaker.

Catalog Number Positions 14 and 15	Voltage (AC: 50/60 Hz)	Magnum Breaker Frame	Continuous Rating (A)
NC	Unwired	All Frames	All
WC	Pre-wired	All Frames	All