



## Selector Worksheet

# NEMA X Relays

Use this worksheet to help identify the part number of the product your customer is looking for. The following questions will guide you to the correct product, and the questions on the back will help determine how to identify the specific part number from Digest 176.

### 1. What is the type of coil voltage?

- Vac  Vdc

### 2. What type of relay do you need?

- Standard instantaneous (control)  Master relay  Timing relay  
 Latching relay  Utility relay

### 3. How many instantaneous convertible contacts do you need?

(each of these contacts can be easily converted to normally closed)

- 0  2  4  6  8  10  12

### 4. What type of timing do you need on the timing relay?

(skip this question unless you are selecting a timing relay)

- On delay  Off delay

### 5. What timing range is need on the timing relay?

(skip this question unless you are selecting a timing relay)

- 0.2–60 seconds  5–180 seconds

### 6. What is the coil voltage (control voltage)?

- Vac coils**  12 V/60 Hz (V11)  24 V/60 Hz (V01)  120 V/60 Hz (V02)  
 208 V/60 Hz (V08)  240 V/60 Hz (V03)  480 V/60 Hz (V06)
- Vdc coils**  12 Vdc (V51)  24 Vdc (V53)  48 Vdc (V56)  
 125 Vdc (V63)  250 Vdc (V67)

### 7. What accessories do you need? (optional)

- Mounting track  Latch attachment  
 NEMA 1 enclosure  Timer attachment  
 Transient suppressor  Timer lockout cover  
 Overlapping contacts  Additional contacts



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## How to build or find the part number

Follow the steps below to locate and build the part number you need. Page numbers refer to Schneider Electric's Digest 176. If you don't have a copy of the product catalog, please request one from your local representative or visit [www.schneider-electric.us](http://www.schneider-electric.us).

### Step 1: Locate the correct page in the Digest

- If the relay has a Vac coil – go to page 23-22
- If the relay has a Vdc coil – go to page 23-23

### Step 2: Locate the class number from the top of the page (all of these relays are Class 8501)

### Step 3: Locate the proper type of relay on the Digest page

- Control relays; Vac – Table 23.98, Vdc – Table 23.108
- Master relays; Vac ONLY – Table 23.99
- Timing relays; Vac – Table 23.100, Vdc – Table 23.110
- Latching relays; Vac – Table 23.101, Vdc – Table 23.112
- Utility relays; Vdc ONLY – Table 23.114

### Step 4: Within the proper table based on relay type, select the proper number of convertible instantaneous contacts; choose the part number

### Step 5: Choose the proper coil voltage from the table on the page

- For Vac coils, use page 23-22, Table 23.104
- For Vdc coils, use page 23-23, Table 23.116

### Step 6: Choose your accessories from page 23-24, Table 23.118

- Choose the accessory from Table 23.118
- For mechanical latch, choose the voltage code from Table 23.119
- For overlapping contacts, choose the form from Table 23.118

Below is the format your part number should take:

8501	_____	_____	_____
Class number	Type number	Voltage code (Mechanical latch attachment only)	Form (Overlapping contacts only)

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## Selector Worksheet

# Control and Measurement Relays

Use this worksheet to help identify the part number of the product your customer is looking for. The following questions will guide you to the correct product, and the questions on the back will help determine how to identify the specific part number from Digest 176.

### 1. What type of control and measurement relay do you need?

- Current measurement relays
- Phase measurement relays
- Voltage measurement relays
- Level control relays
- Pump control relays
- Speed control relays
- Frequency control relays
- Temperature control relays

### 2. How many phases does your application require?

- Single-phase
- Three-phase

### 3. What contact configuration does your application require?

- SPDT (1 C/O)
- DPDT (2 C/O)

### 4. What is the supply voltage?

- 24–240 Vac/Vdc
- 208–480 Vac
- 208–440 Vac
- 12 Vdc
- 24–48 Vac/Vdc
- 110–240 Vac/Vdc
- 120–277 phase-neutral

### 5. What accessories do you need? (optional)

- Probes
- Electrode holder



## How to build or find the part number

Follow the steps below to locate and build the part number you need. Page numbers refer to Schneider Electric's Digest 176. If you don't have a copy of the product catalog, please request one from your local representative or visit [www.schneider-electric.us](http://www.schneider-electric.us).

**Step 1: Locate the correct page in the Digest** (go to pages 23-31/36)

**Step 2: Locate the control and measurement relay type from the titles of the different tables**  
(all of these control and measurement relays are in the Zelio® range)

**Step 3: Locate the proper table**

- Zelio current measurement relays – Table 23.152
- Zelio phase measurement relays – Table 23.154 to 23.159
- Zelio voltage measurement relays – Table 23.160- 231.162
- Zelio level control relays – Table 23.163
- Zelio pump control relays – Table 23.167
- Zelio speed control relays – Table 23.167
- Zelio frequency control relays – Table 23.169
- Zelio temperature control relays – Table 23.170

**Step 4: Within the proper table, select the proper control and measurement relay catalog number**

Below is the format your part number should take:



**Step 5: Choose your accessories from page 23-33**

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## Selector Worksheet

# General Purpose Plug-in Timers

Use this worksheet to help identify the part number of the product your customer is looking for. The following questions will guide you to the correct product, and the questions on the back will help determine how to identify the specific part number from Digest 176.

### 1. What type of plug-in timer do you need?

- Variable-time delay
- Programmable-on delay
- Fixed-time delay
- Programmable multifunction

### 2. What timing function is needed?

- On delay
- Interval
- Repeat cycle
- Off delay
- One shot
- Off delay with a power trigger
- One shot with a power trigger

### 3. What timing range do you need?

- 0.1–10 seconds
- 1.8–180 seconds
- 1.2–120 minutes
- Specified fixed time setting between 0.1 and 3600 seconds
- 0.3–30 seconds
- 0.1–10 minutes
- 0.05 seconds – 999 minutes
- 0.6–60 seconds
- 0.3–30 minutes
- 1.2–120 seconds
- 0.6–60 minutes

### 4. What is the input voltage?

- 12 Vac/Vdc (V36)
- 24 Vac/Vdc (V14)
- 48 Vac/Vdc (V17)
- 120 Vac/110 Vdc (V20)
- 240 Vac (V24)

### 5. What accessories do you need? (optional)

- Relays socket
- Mounting track
- Hold down spring



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## How to build or find the part number

Follow the steps below to locate and build the part number you need. Page numbers refer to Schneider Electric's Digest 176. If you don't have a copy of the product catalog, please request one from your local representative or visit [www.schneider-electric.us](http://www.schneider-electric.us).

**Step 1: Locate the correct page in the Digest** (go to page 23-28)

**Step 2: Locate the class number from the top of the page** (all of these plug-in timers are class 9050)

**Step 3: Locate the proper type of plug-in timer in the Digest**

- Variable time delay – Table 23.142
- Fixed time delay – Table 23.143
- Programmable on delay – Table 23.141
- Programmable multifunction – Table 23.142

**Step 4: Within the proper table based on plug-in timer type, select the proper timing function**

**Step 5: Within the timing function selected, select the proper timing range** (choose the type number)

**Step 6: Choose the proper coil voltage from the table on the page** (Table 23.139)

Below is the format your part number should take:

9050	JCK_____	V_____
Class number	Type number	Voltage code

**Step 7: Choose your accessories from page 23-13**

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## Selector Worksheet

# General Purpose Plug-in Relays

Use this worksheet to help identify the part number of the product your customer is looking for. The following questions will guide you to the correct product, and the questions on the back will help determine how to identify the specific part number from Digest 176.

### 1. Is this for a replacement or OEM business?

- Replacement business  OEM business

### 2. What current needs to be switched?

- 1-5 A  5-8 A  10 A  12 A  15 A

### 3. How many contacts (poles) are required?

- 1  2  3  4

### 4. What features do you need?

- LED/pilot light  Spade or tubular terminals  
 Push button/manual operator  Latching

### 5. What is the coil voltage?

- Vac coils**  24 Vac  48 Vac  120 Vac  240 Vac  
**Vdc coils**  12 Vdc  24 Vdc  48 Vdc  
 110 Vdc  220 Vdc

### 6. What accessories do you need? (optional)

- Relay socket  Mounting track  
 Hold down clips  Bus jumpers  
 Mounting adaptors

## How to build or find the part number

Follow the steps below to locate and build the part number you need. Page numbers refer to Schneider Electric's Digest 176. If you don't have a copy of this product catalog, please request one from your local representative or visit [www.schneider-electric.us](http://www.schneider-electric.us).

### For replacement business:

**Step 1: Use this table to locate the correct page in the Digest**

	1-5 A	10 A	12 A	15 A
1 pole	—	—	—	8501R
2 pole	—	8501R	8501K	—
3 pole	—	—	8501K, 8501R	—
4 pole	8501R	—	8501R	—

- **8501K** – Square D® plug-in relays – go to page 23-9
- **8501R** – Square D miniature plug-in relays – go to pages 23-11/12

**Step 2: Go to the proper table based on the relay type** (please check contact ratings)

**Step 3: Select the coil voltage from the voltage code table. The catalog number should be as below:**

8501	_____	V	_____
Class	Type	Voltage code	

**Step 4: Choose your accessories based on the type of relay selected**

- **8501K** – Square D plug-in relays accessories – go to page 23-13
- **8501R** – Square D miniature plug-in relays accessories – go to page 23-13

### For OEM business:

**Step 1: Use this table to locate the correct page in the Digest**

	3-8 A	10 A	12 A	15 A
1 pole	—	—	—	RPM
2 pole	—	RUM	RXM	RPM
3 pole	—	RXM, RUM	—	RPM
4 pole	RXM	—	—	RPM

- **RXM** – Zelio® miniature plug-in relays – go to page 23-2
- **RPM** – Zelio power miniature plug-in relays – go to page 23-4
- **RUM** – Zelio universal plug-in relays – go to page 23-6

**Step 2: Go to the proper table depending on if an LED indicator or test button is required or not**

**Step 3: Select the column with the required number of contacts**

**Step 4: Select the coil voltage from the left most column**

**Step 5: Select the corresponding catalog number. The catalog number should be as shown below:**

_____	_____	_____	_____
Class	Number of contacts	Option code	Voltage code

**Step 6: Choose your accessories based on the type of relay selected**

- **RXM** – Zelio miniature plug-in relays accessories – go to page 23-3
- **RPM** – Zelio power miniature plug-in relays accessories – go to pages 23-4/5
- **RUM** – Zelio standard plug-in relays accessories – go to page 23-7

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