P&B **tyco** Electronics

ORDERING INFORMATION

W6 Series

Typical Part No. ➤ | W | 67- | X | 2 | Q | 1 | 2- | 20 |

1. CIRCUIT BREAKER MOUNTING:
W = #6-32 mounting threads.
M = M3.0 x 0.5 mounting threads.
X = Snap-in mounting. (Not available in actuator per unit or rocker actuated models.)

2. NUMBER OF POLES:
67 = Single pole   68 = Two pole   69 = Three pole   70 = Four pole

3. CIRCUIT FUNCTION: (Only B and X are VDE approved)
A = Series trip with auxiliary switch (.093" QC)   R = Relay trip
B = Series trip with auxiliary switch (.110" QC)   S = Shunt trip
C = Series trip with auxiliary switch (.187" QC)   X = Series trip
M = Dual coil shunt trip   **Note:** Circuit functions A, B, M and P will appear on left pole only of
P = Dual coil relay trip (Step 6A required)   multiple pole units. For switch only units,

4. ACTUATOR:
One actuator per pole: One actuator per unit:
1 = Black toggle   4 = White rocker   9 = Red toggle   7 = Black toggle   J = Black rocker   M = Grey rocker
2 = White toggle   5 = Red rocker   8 = White toggle   K = White rocker
3 = Black rocker   6 = Grey rocker   A = Red toggle   L = Red rocker
Note: Use one actuator per pole for single pole and all snap-in models.

5. TERMINATION:
Q = .250" QC (DIN 46 244) 25A Max. VDE   S = #8-32 screw   T = #10-32 screw
Note: "T" termination must be used for all ratings of 31 amps or above.

6. MAXIMUM LINE VOLTAGE: (See Table 1 for current ranges)
UL/CSA   1 = 277VAC, 50/60 Hz.   VDE   1 = 250VAC, 415/240VAC
TYPES   2 = 277/480   TYPES 5 = 65VDC
         3 = 250VAC, 400 Hz.   7 = AC/DC 250VAC, 415/240VAC, 65VDC
         5 = 65VDC   (Delay curve 34 must be specified.)
         7 = AC/DC 277VAC or 65VDC
           (Delay curve 34 must be specified.)

6A. VOLTAGE COIL RATINGS FOR CIRCUIT FUNCTION "P" (Step 3) ONLY:
0 = 240VAC, 50/60 Hz.   2 = 48VAC, 50/60 Hz.   4 = 12VAC, 50/60 Hz.   6 = 48VDC   8 = 12VDC
1 = 120VAC, 50/60 Hz.   3 = 24VAC, 50/60 Hz.   5 = 6VAC, 50/60 Hz.   7 = 24VDC   9 = 6VDC

7. TIME DELAY CURVE:
0 = Instantaneous   10 = AC high inrush (Motor start)   **Notes:** Curves may be specified with increased pulse tolerance for 1/2 cycle by
2 = Standard delay   12 = AC high inrush version of #2   adding "P" after curve. See delay curve section for availability and details.
3 = Short delay   13 = AC high inrush version of #3   Curves 10, 12, 13 and 53 not available with circuit functions "M" and "P".
53 = DC high inrush   34 = Combination AC/DC standard delay

8. AMP RATING:
| 0.20 | 0.50 | 1.0 | 2.0 | 3.0 | 4.0 | 6.0 | 7.5 | 9.0 | 11.0 | 15.0 | 25.0 | 35.0 | 45.0 | Consult factory for |
| 0.25 | 0.75 | 1.5 | 2.5 | 3.5 | 5.0 | 7.0 | 8.0 | 10.0 | 12.0 | 20.0 | 30.0 | 40.0 | 50.0 | other values. |

9. VDE APPROVAL: (See Table 2 for auxiliary switch ratings)
Blank = UL/CSA approved breaker   V2 = VDE approved breaker with 5 amp VDE auxiliary switch
V = VDE approved breaker without auxiliary switch   V3 = VDE approved breaker with 0.1 amp VDE auxiliary switch
V1 = VDE approved breaker with 10 amp VDE auxiliary switch

ORDERING INFORMATION

W9 Series

Typical Part No. ➤ | W | 91- | X | 1 | 1 | 2- | 20 |

1. CIRCUIT BREAKER MOUNTING:
W = #6-32 mounting threads.   M = M3.0 x 0.5 mounting threads.

2. NUMBER OF POLES:
91 = Single pole   92 = Two pole   93 = Three pole   94 = Four pole

3. CIRCUIT FUNCTION: (Only B and X are VDE approved)
A = Series trip with auxiliary switch (.093" QC)   R = Relay trip
B = Series trip with auxiliary switch (.110" QC)   S = Shunt trip
C = Series trip with auxiliary switch (.187" QC)   X = Series trip
M = Dual coil shunt trip   **Note:** Circuit functions A, B, M and P will appear on left pole
P = Dual coil relay trip (Step 5A required)   only of multiple units. For switch only units,

4. ACTUATOR: (One actuator per pole):
1 = Black toggle   2 = White toggle

5. MAXIMUM LINE VOLTAGE: (See Table 1 for current ranges)
UL/CSA   1 = 277VAC, 50/60 Hz.   VDE   1 = 250VAC, 415/240VAC
TYPES   2 = 277/480   TYPES 5 = 65VDC
         3 = 250VAC, 400 Hz.   7 = AC/DC 250VAC, 415/240VAC, 65VDC
         5 = 65VDC   (Delay curve 34 must be specified.)
         7 = AC/DC 277VAC or 65VDC
           (Delay curve 34 must be specified.)

5A. VOLTAGE COIL RATINGS FOR CIRCUIT FUNCTION "P" (Step 3) ONLY:
0 = 240VAC, 50/60 Hz.   2 = 48VAC, 50/60 Hz.   4 = 12VAC, 50/60 Hz.   6 = 48VDC   8 = 12VDC
1 = 120VAC, 50/60 Hz.   3 = 24VAC, 50/60 Hz.   5 = 6VAC, 50/60 Hz.   7 = 24VDC   9 = 6VDC

6. TIME DELAY CURVE:
0 = Instantaneous   10 = AC high inrush (Motor start)   **Notes:** Curves may be specified with increased pulse tolerance for 1/2 cycle
2 = Standard delay   12 = AC high inrush version of #2   by adding "P" after curve. See delay curve section for availability and details.
3 = Short delay   13 = AC high inrush version of #3   Curves 10, 12, 13 and 53 not available with circuit functions "M" and "P".
53 = DC high inrush   34 = Combination AC/DC standard delay

7. AMP RATING:
0.20	0.75	2.0	3.5	6.0	8.0	11.0	20.0	35.0	50.0
0.25	1.0	2.5	4.0	7.0	9.0	12.0	25.0	40.0	
0.50	1.5	3.0	5.0	7.5	10.0	15.0	30.0	45.0	

8. VDE APPROVAL: (See Table 2 for auxiliary switch ratings)
Blank = UL/CSA approved breaker   V2 = VDE approved breaker with 5 amp VDE auxiliary switch
V = VDE approved breaker without auxiliary switch   V3 = VDE approved breaker with 0.1 amp VDE auxiliary switch
V1 = VDE approved breaker with 10 amp VDE auxiliary switch

6 CIRCUIT BREAKERS & FUSES

Toll Free 1-800-526-5376 • 201-337-1000 • Fax 201-337-1862