

SECTION F

ACCESSORIES

Introduction



Switch Guards

- Prevent accidental operation of switches
- Switch operation limited to selected functions
- Adaptable to one, two and four pole configurations
- One hole or flush mounted variations



Pushbutton Shields

- Guard pushbuttons against accidental operation
- Fit most pushbutton switches
- Three different styles
- Three different colors



Protective Seals

- Panel seal for One Hole Mounting (OHM)
- O-Ring seals for panel mounting
- Switch boots



Attachable Tips

- Vinyl slip-on types
- Fluorescent snap-on tips
- Thermoplastic shaped levers
- 3-cateye lever assembly



Mounting and Terminal Hardware

- Replacement hardware for military switches
- Optional hardware
- Mounting adapters for thick panel mounting
- Pushbutton mounting adapter

ACCESSORIES

Switch Guards MIL-G-7703 and Industrial Grade

FEATURES

- For use with 2 or 3 position switches
- Lever covers molded in various colors
- Cover closure transfers toggle lever.
See code number for details.
- Metal and molded covers
- Flush and one hole mounted (OHM) mounting styles
- MS approved and OPL'd per MIL-G-7703
- Covers are molded out of thermoset molding materials
- Guard covers are spring loaded to either close or lock in open position
- One hole mounting and three hole mounting available
- Keyway orientation variations offered on some guards



Code 1



Code 2, 3, 17, 16



Code 7, 8, 10-14



Code 9



Code 6



Code 4, 5



Code 18-25



Code 26-29



Code 15

SELECTION TABLE

| Switch Guard Code Number | Switch Mounting | Switch Positions | Lever Material | Color ^④ | Marking ^② | | Location of Keyway Tab | Military Part Number | Catalog Number | | |
|--------------------------|-----------------|------------------|--------------------|--------------------|----------------------|------------|------------------------|----------------------|-----------------|-----|----------|
| | | | | | Hinged End | Other End | | | | | |
| | | | | | 1 | Flush | | | | 3 | Phenolic |
| 2 | Flush | 2 | Phenolic | Red | --- | --- | --- | MS25224-2 | 8497K2 | | |
| 3 | Flush | 3 | Phenolic | Red | --- | --- | --- | MS25225-2 | 8498K2 | | |
| 4 | Flush | 2 | Metal | Green | --- | --- | --- | MS25452-1 | 8499K1 | | |
| 5 | Flush | 2 | Metal | Green | EMERGENCY | --- | --- | NAF47851-1 | K2 | | |
| 6 | Flush/OHM | 2 or 3 | Metal ^③ | Black | --- | --- | --- | MS25221-1 | 8495K1 | | |
| 7 | OHM | 3 | Phenolic | Red | --- | --- | Opp. Hinged End | MS25214-2 | 8494K2 | | |
| 8 | OHM | 3 | Phenolic | Red | --- | --- | Hinged End | MS25214-3 | K3 | | |
| 9 | OHM | 3 | Phenolic | Red | --- | --- | Opp. Hinged End | MS25223-2 | 8496K2 | | |
| 10 | OHM | 2 | Phenolic | Red | --- | --- | Opp. Hinged End | MS25224-1 | 8497K1 | | |
| 11 | OHM | 2 | Phenolic | Red | --- | --- | Hinged End | MS25224-3 | 8497K3 | | |
| 12 | | 2 | Phenolic | Red | ON | OFF | Opp. Hinged End | --- | K7 | | |
| 13 | | 3 | Phenolic | Red | --- | --- | Opp. Hinged End | MS25225-1 | 8498K1 | | |
| 14 | | 3 | Phenolic | Red | --- | --- | Hinged End | MS25225-3 | K3 | | |
| 15 | | 2 or 3 | Metal ^③ | Black | --- | --- | Opp. Pin Hole | MS24417-1 | 8492K1 | | |
| 16 | | 2 or 3 | Phenolic | Red | --- | --- | Opp. Hinged End | MS27752-1 | 8498K6 | | |
| 17 | Flush | 3 | Phenolic | Red | --- | --- | --- | MS25214-1 | 8494K1 | | |
| 18 | OHM | 3 | Metal | Red | --- | --- | Hinged End | --- | 8493K4 | | |
| 19 | | 3 | | Red | --- | --- | Opp. Hinged End | | K5 | | |
| 20 | | 2 | | Red | --- | --- | Hinged End | | K6 | | |
| 21 | | 2 | | Red | --- | --- | Opp. Hinged End | | K7 | | |
| 22 | | 3 | | Black | --- | --- | Hinged End | | K8 | | |
| 23 | | OHM | | 3 | Black | --- | --- | | Opp. Hinged End | --- | 8493K9 |
| 24 | | | | 2 | Black | --- | --- | | Hinged End | | K10 |
| 25 | | | | 2 | Black | --- | --- | | Opp. Hinged End | | K11 |
| 26 | 3 | | Red | --- | --- | Right Side | K12 | | | | |
| 27 | 3 | | Red | --- | --- | Left Side | K13 | | | | |
| 28 | OHM | 3 | Metal | Black | --- | --- | Right Side | --- | K14 | | |
| 29 | | 3 | | Black | --- | --- | Left Side | | K15 | | |

① Will not return lever when mounting plate is over .0625 [1,58] thick.

② Custom lettering or symbols available.

③ Guard has no moving lever.

④ Optional colors – black phenolic available for 8497, where other colors are required they are sprayed over standard color.



ACCESSORIES

Switch Guards MIL-G-7703 and Industrial Grade

SPECIFICATIONS

Code 1 and 9

- For three-position switches
- Returns lever to center position from either extreme
- Guard housing is spring loaded to retain closed position

Code 2, 10, 11 and 12

- For full throw single throw switches
- Returns lever to OFF position

Code 3, 13 and 14

- For three-position switches
- Returns lever from up position to center position
- Will not change toggle position when it is in down position

Code 4 and 5

- For two-position full throw switches
- Permits locking toggle in extreme up position

Code 6 and 15

- Insertion of pin through guard prevents accidental operation
- Prevents transfer of single throw switches
- Permits operation from first position to center on three-position switches

Code 7 and 8

- For three-position switches
- Returns lever to center position from either extreme
- Guard housing remains fixed in open and closed position

Code 16

- For two- or three-position switches
- Closing guard does not affect toggle position

Code 18, 19, 22 and 23

- For three-position switches
- Returns lever from up position to center position
- Will not change toggle position when it is in down position

Code 20, 21, 24 and 25

- For two-position full throw switches
- Returns lever from up position to down position

Code 26-29

- For three-position switches
- With both guards in closed position, switch toggle lever is locked in center position. With one guard each in open and closed position, switch can be toggled between center and open guard position, with both guards in open position, switch can be toggled between left, center, and right position.


ACCESSORIES
Switch Guard Application Table

| Switch Catalog Number ① | Switch Guard Code Number | Switch Catalog Number ① | Switch Guard Code Number |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8200K7 8201K6, K14 8209K6 8210K7 8211K7 | 1, 3, 6, 17 2, 4, 5, 6, 3, 6 6 2, 6 | 8837K4 & K94 K5 & K95 K6 & K96 K7 & K97 K8 & K98 | 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16 11, 15, 16 |
| 8212K6 8500K1 K2 K3 K4 | 3, 6 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 | 8837K9 & K99 K10 & K910 K11 & K911 8838K1 & K91 K2 & K92 | 10, 12, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 |
| 8500K5 K6 K7 K8 K9 | 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16 11, 15, 16 10, 12, 15, 16, 21, 25 | 8838K3 & K93 K4 & K94 K5 & K95 K6 & K96 K7 & K97 | 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16 |
| 8500K10 K11 K12 K13 8501K1 | 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 15, 16 13, 15, 16, 19, 23 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 | 8838K8 & K98 K9 & K99 K10 & K910 K11 & K911 8868K1, K51, K61 | 11, 15, 16 10, 12, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 |
| 8501K2 K3 K4 K5 K6 | 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 | 8868K2, K52, K62 K3, K53, K63 K4, K54, K64 K5, K55, K65 K6, K56, K66 | 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 9, 13, 15, 16 |
| 8501K7 K8 K9 K10 K11 | 7, 9, 13, 15, 16 11, 15, 16 10, 12, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 | 8868K7, K57, K67 K8, K58, K68 8869K1, K1X, K51, K51X, K61, K61X K2, K2X, K52, K52X, K62, K62X K3, K3X, K53, K53X, K63, K63X | 10, 12, 15, 16, 21, 25 10, 12, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 |
| 8501K12 K13 K14 thru K19 8502K1 K2 | 15, 16 13, 15, 16, 19, 23 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 | 8869K4, K4X, K54, K54X, K64, K64X K5, K5X, K55, K55X, K65, K65X K6, K6X, K56, K56X, K66, K66X K7, K7X, K57, K57X, K67, K67X 8867K8, K8X, K58, K58X, K68, K68X | 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 15, 16 10, 12, 15, 16, 21, 25 10, 12, 15, 16, 21, 25 |
| 8502K3 K4 K5 K6 K7 | 13, 14, 15, 16, 18, 19, 22, 23, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16 | 8869K9, K9X, K59, K59X, K69, K69X K10, K10X, K510, K510X, K610, K610X K11, K11X, K511, K511X, K611, K611X 8854K1 8854K2 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 |
| 8502K8 K9 K10 K11 K12 | 11, 15, 16 10, 12, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 15, 16 | 8854K3 K4 K5 K6 K7 | 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 15, 16 10, 12, 15, 16, 21, 25 |
| 8502K13 K15 thru K17 8700K15 8701K14 8709K15 | 13, 15, 16, 19, 23 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 1, 3, 6, 17 4, 5, 6 3, 6 | 8854K8 K9 K10 K11 | 10, 12, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 |
| 8718K5 8740K12 8742K10 8744K10 8790K4 | 3, 6 2, 6 3, 6, 17 2, 6 6 | 8570K1-16, -20 K2-16, -20 K3-16, -20 K4-16, -20 K5-16, -20 | 7, 9, 13, 14, 16, 18, 19, 22, 23, 26-29 13, 14, 16, 18, 19, 22, 26-29 13, 14, 16, 18, 19, 22, 26-29 10, 11, 16, 20, 21, 24, 25 10, 11, 16, 21, 25 |
| 8792K3 8836K1 & K91 K2 & K92 K3 & K93 K4 & K94 | 6 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 | 8570K6-16, -20 K7-16, -20 K8-16, -20 K9-16, -20 K10-16, -20 | 13, 16, 19, 23, 26-29 7, 9, 13, 16 11, 16 10, 12, 16, 21, 25 10, 11, 16, 21, 25 |
| 8836K5 & K95 K6 & K96 K7 & K97 K8 & K98 K9 & K99 | 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16 11, 15, 16 10, 12, 15, 16, 21, 25 | 8570K11-16, -20 K12-16, -20 K13-16, -20 8571K1-16, -20 K2-16, -20 | 10, 11, 16, 21, 25 16 13, 16, 19, 23 7, 9, 13, 14, 16, 18, 19, 22, 23, 26-29 13, 14, 16, 18, 19, 20, 26-29 |
| 8836K10 & K910 K11 & K911 8837K1 & K91 K2 & K92 K3 & K93 | 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 | 8571K3-16, -20 K4-16, -20 K5-16, -20 K6-16, -20 K7-16, -20 | 13, 14, 16, 18, 19, 22, 26-29 11, 16, 20, 21, 24, 25 10, 11, 16, 21, 25 13, 16, 19, 23, 26-29 7, 9, 13, 16 |

① Listing covers only those switches that can be used with a switch guard.



ACCESSORIES

Switch Guard Application Table

| Switch | | | |
|-----------------|---------------------------------------------|---------------------|---------------------------------------------|
| 8571K8-16, -20 | 11, 16 | 8520K1 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 |
| K9-16, -20 | 10, 12, 16, 21, 25 | K4 | 10, 11, 15, 16, 20, 21, 24, 25 |
| K10-16, -20 | 10, 11, 16, 21, 25 | K9 | 10, 12, 15, 16, 21, 25 |
| K11-16, -20 | 10, 11, 16, 21, 25 | 8521K1 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 |
| K12-16, -20 | 16 | K4 | 10, 11, 15, 16, 20, 21, 24, 25 |
| 8571K13-16, -20 | 13, 16, 19, 23 | 8521K9 | 10, 12, 15, 16, 20, 21, 24, 25 |
| K17-16, -20 | 7, 9, 13, 16, 18, 19, 22, 23, 26-29 | 8522K1 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 |
| K18-16, -20 | 13, 14, 16, 18, 19, 22, 26-29 | K4 | 10, 11, 15, 16, 20, 21, 24, 25 |
| K19-16, -20 | 13, 14, 16, 18, 19, 22, 26-29 | K9 | 10, 12, 15, 16, 21, 25 |
| 8572K1-16, -20 | 7, 9, 13, 14, 16, 18, 19, 22, 23, 26-29 | 8526K2 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| 8572K2-16, -20 | 13, 14, 16, 18, 19, 22, 26-29 | 8526K3 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K3-16, -20 | 13, 14, 16, 20, 21, 24, 25 | K5 | 10, 11, 15, 16, 21, 25 |
| K4-16, -20 | 10, 11, 16, 20, 21, 24, 25 | 8527K2 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K5-16, -20 | 10, 11, 16, 21, 25 | K3 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K6-16, -20 | 13, 16, 19, 23, 26-29 | K5 | 10, 11, 15, 16, 21, 25 |
| 8572K7-16, -20 | 7, 9, 13, 16 | 8528K2 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K8-16, -20 | 11, 16 | K3 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K9-16, -20 | 10, 12, 16, 21, 25 | K5 | 10, 11, 15, 16, 21, 25 |
| K10-16, -20 | 10, 11, 16, 21, 25 | 8530K1, K31, K91 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 |
| K11-16, -20 | 10, 11, 16, 21, 25 | K2, K32, K92 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| 8572K12-16, -20 | 16 | 8530K3, K33, K93 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K13-16, -20 | 13, 16, 19, 23 | K4, K34, K94 | 10, 11, 15, 16, 20, 21, 24, 25 |
| K15-16, -20 | 7, 9, 13, 16, 18, 19, 22, 23, 26-29 | K5, K35, K95 | 10, 11, 15, 16, 21, 25 |
| K16-16, -20 | 13, 14, 16, 18, 19, 22, 26-29 | K6, K36, K96 | 13, 15, 16, 19, 23, 26-29 |
| K17-16, -20 | 13, 14, 16, 18, 19, 22, 26-29 | K7, K37, K97 | 7, 9, 13, 15, 16 |
| 8510K1 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 | 8530K8, K38, K98 | 11, 15, 16 |
| K2 | 13, 14, 15, 16, 18, 19, 22, 26-29 | K9, K39, K99 | 10, 12, 15, 16, 21, 25 |
| K3 | 13, 14, 15, 16, 18, 19, 22, 26-29 | K10, K310, K910 | 10, 11, 15, 16, 21, 25 |
| K4 | 10, 11, 15, 16, 20, 21, 24, 25 | K11, K311, K911 | 10, 11, 15, 16, 21, 25 |
| K5 | 10, 11, 16, 21, 25 | K12, K312, K912 | 15, 16 |
| 8510K6 | 13, 15, 16, 18, 23, 26-29 | 8530K13, K313, K913 | 13, 15, 16, 19, 23 |
| K7 | 7, 9, 13, 15, 16 | 8531K1, K31, K91 | 7, 9, 13, 14, 15, 18, 19, 22, 23, 26-29 |
| K8 | 11, 15, 16 | K2, K32, K92 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K9 | 10, 12, 15, 16, 21, 25 | K3, K33, K93 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K10 | 10, 11, 15, 16, 21, 25 | K4, K34, K94 | 10, 11, 15, 16, 20, 21, 24, 25 |
| 8510K11 | 10, 11, 15, 16, 21, 25 | 8531K5, K35, K95 | 10, 11, 15, 16, 21, 25 |
| K12 | 15, 16 | K6, K36, K96 | 13, 15, 16, 19, 23, 26-29 |
| K13 | 13, 15, 16, 19, 23 | K7, K37, K97 | 7, 9, 13, 15, 16 |
| 8511K1 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 | K8, K38, K98 | 11, 15, 16 |
| K2 | 13, 14, 15, 16, 18, 19, 22, 26-29 | K9, K39, K99 | 10, 12, 15, 16, 21, 25 |
| 8511K3 | 13, 14, 15, 16, 18, 19, 22, 26-29 | 8531K10, K310, K910 | 10, 11, 15, 16, 21, 25 |
| K4 | 10, 11, 15, 16, 20, 21, 24, 25 | K11, K311, K911 | 10, 11, 15, 16, 21, 25 |
| K5 | 10, 11, 15, 16, 21, 25 | K12, K312, K912 | 15, 16 |
| K6 | 13, 15, 16, 19, 23, 26-29 | K13, K313, K913 | 13, 15, 16, 19, 23 |
| K7 | 7, 9, 13, 15, 16 | K14, K314, K914 | 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 |
| 8511K8 | 11, 15, 16 | 8531K15, K315, K915 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K9 | 10, 12, 15, 16, 21, 25 | K16, K316, K916 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K10 | 10, 11, 15, 16, 21, 25 | K17, K317, K917 | 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 |
| K11 | 10, 11, 15, 16, 21, 25 | K18, K318, K918 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K12 | 15, 16 | K19, K319, K919 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| 8511K13 | 13, 15, 16, 18, 23 | 8532K1, K31, K91 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 |
| K14 | 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 | K2, K32, K92 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K15 | 13, 14, 15, 16, 18, 19, 22, 26-29 | K3, K33, K93 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K16 | 13, 14, 15, 16, 18, 19, 22, 26-29 | K4, K34, K94 | 10, 11, 15, 16, 20, 21, 24, 25 |
| 8512K1 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 | K5, K35, K95 | 10, 11, 15, 16, 21, 25 |
| 8512K2 | 13, 14, 15, 16, 18, 19, 22, 26-29 | 8532K6, K36, K96 | 13, 15, 16, 19, 23, 26-29 |
| K3 | 13, 14, 15, 16, 18, 19, 22, 26-29 | K7, K37, K97 | 7, 9, 13, 15, 16 |
| K4 | 10, 11, 15, 16, 20, 21, 24, 25 | K8, K38, K98 | 11, 15, 16 |
| K5 | 10, 11, 15, 16, 21, 25 | K9, K39, K99 | 10, 12, 15, 16, 21, 25 |
| K6 | 13, 15, 16, 19, 23, 26-29 | K10, K310, K910 | 10, 11, 15, 16, 21, 25 |
| 8512K7 | 7, 9, 13, 15, 16 | 8532K11, K311, K911 | 10, 11, 15, 16, 21, 25 |
| K8 | 11, 15, 16 | K12, K312, K912 | 15, 16 |
| K9 | 10, 12, 15, 16, 21, 25 | K13, K313, K913 | 13, 15, 16, 19, 23 |
| K10 | 10, 11, 15, 16, 21, 25 | K15, K315, K915 | 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 |
| K11 | 10, 11, 15, 16, 21, 25 | K16, K316, K916 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| 8512K12 | 15, 16 | 8532K17, K317, K917 | 13, 14, 15, 16, 18, 19, 22, 26-29 |
| K13 | 13, 15, 16, 19, 23 | | |
| K15 | 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 | | |
| K16 | 13, 14, 15, 16, 18, 19, 22, 26-29 | | |
| K17 | 13, 14, 15, 16, 18, 19, 22, 26-29 | | |

① Listing covers only those switches that can be used with a switch guard.



ACCESSORIES

Switch Guard Application Table

| Switch Catalog Number ① | Switch Guard Code Number | Switch Catalog Number ① | Switch Guard Code Number |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A3-10 SERIES A3-32 SERIES A3-33 SERIES A3-40 SERIES A3-200-01 | 10, 12, 15, 16, 21, 25 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 20, 21, 24, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 | A3-206-06 -07 A3-208-01 -02 -03 | 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 |
| A3-200-02 -03 -04 -05 -06 | 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 | A3-208-04 -05 -06 -07 A3-210-01 | 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 |
| A3-200-07 A3-202-01 -02 -03 -04 | 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 | A3-210-02 -03 -04 -05 -06 | 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 |
| A3-202-05 -06 -07 A3-204-01 -02 | 10, 11, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 13, 14, 15, 16, 18, 19, 22, 26-29 | A3-210-07 A3-212-01 -02 -03 -04 | 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 |
| A3-204-03 -04 -05 -06 -07 | 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 | A3-212-05 -06 -07 A3-214-01 -02 | 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 12, 14, 15, 16, 18, 19, 22, 26-29 |
| A3-206-01 -02 -03 -04 -05 | 7, 9, 13, 14, 15, 16, 18, 19, 22, 23 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 | A3-214-03 -04 -05 -06 -07 | 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 |

① Listing covers only those switches that can be used with a switch guard.




ACCESSORIES

Pushbutton Shields for Series C100, D200W, H2200, J300, W100 and WC1500 Switches

ACCESSORIES

| FEATURES | DESCRIPTION |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Protection against accidental actuation • Rugged construction • Anodized for corrosion protection • Threaded or unthreaded • Available in black, clear or red • Various size ranges | <p>These anodized aluminum shields guard pushbuttons against accidental operation. Internally threaded, the shields are usually used on basic switches in place of mounting adapters although Type W or other narrow adapters can be used with shields. Consult switch and adapter drawings for proper thread size when ordering shields. Order shields separately by part number.</p> |

SELECTION TABLE

| | Type | Part Number | Color | "A" Dimension | "B" Dimension | "C" Dimension | "D" Dimension | "E" Dimension | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|----------------|------------------|------------------|------------------|------------------|------------------|------|
|  | Knurled Shields | 73-2474 | Clear Anodized | .625 | .875 | .500 | 1/2-32 NS-2B | ---- | |
| | | 73-2474-2 | Black Anodized | .625 | .875 | .500 | 1/2-32 NS-2B | ---- | |
| | | 73-2474-3 | Red Anodized | .625 | .875 | .500 | 1/2-32 NS-2B | ---- | |
| | | 73-2475 | Clear Anodized | .406 | .875 | .281 | 1/2-32 NS-2B | ---- | |
| | | 73-2475-2 | Black Anodized | .406 | .875 | .281 | 1/2-32 NS-2B | ---- | |
| | | 73-2475-3 | Red Anodized | .406 | .875 | .281 | 1/2-32 NS-2B | ---- | |
| | Knurled Shields | 73-2486 | Clear Anodized | .406 | .875 | .281 | 5/8-24 NEF-2B | ---- | |
| | | 73-2486-2 | Black Anodized | .406 | .875 | .281 | 5/8-24 NEF-2B | ---- | |
| | | 73-2486-3 | Red Anodized | .406 | .875 | .281 | 5/8-24 NEF-2B | ---- | |
| | | 73-2487 | Clear Anodized | .406 | .875 | .281 | 15/32-32 NS-2B | ---- | |
| | | 73-2487-2 | Black Anodized | .406 | .875 | .281 | 15/32-32 NS-2B | ---- | |
| | | 73-2487-3 | Red Anodized | .406 | .875 | .281 | 15/32-32 NS-2B | ---- | |
| |  | Smooth Shields | 73-2478 | Clear Anodized | .688 | .953 | .641 | 1/2 Hole | ---- |
| | | | 73-2478-2 | Black Anodized | .688 | .953 | .641 | 1/2 Hole | ---- |
| 73-2478-3 | | | Red Anodized | .688 | .953 | .641 | 1/2 Hole | ---- | |
| Smooth Shields | | 73-2479 | Clear Anodized | .844 | .953 | .719 | 5/8-24 NEF-2B | ---- | |
| | | 73-2479-2 | Black Anodized | .844 | .953 | .719 | 5/8-24 NEF-2B | ---- | |
| | | 73-2479-3 | Red Anodized | .844 | .953 | .719 | 5/8-24 NEF-2B | ---- | |
|  | Rolled Edge Shields | 73-2476 | Clear Anodized | .422 | 1.063 | .375 | 1/2 Hole | 61/64 | |
| | | 73-2476-2 | Black Anodized | .422 | 1.063 | .375 | 1/2 Hole | 61/64 | |
| | | 73-2476-3 | Red Anodized | .422 | 1.063 | .375 | 1/2 Hole | 61/64 | |
| | | 73-2477 | Clear Anodized | .688 | 1.063 | .641 | 1/2 Hole | 61/64 | |
| | | 73-2477-2 | Black Anodized | .688 | 1.063 | .641 | 1/2 Hole | 61/64 | |
| | | 73-2477-3 | Red Anodized | .688 | 1.063 | .641 | 1/2 Hole | 61/64 | |
| | | 73-2480 | Clear Anodized | .422 | 1.063 | .375 | 5/8 Hole | 61/64 | |
| | | 73-2480-2 | Black Anodized | .422 | 1.063 | .375 | 5/8 Hole | 61/64 | |
| | | 73-2480-3 | Red Anodized | .422 | 1.063 | .375 | 5/8 Hole | 61/64 | |
| | | 73-2481 | Clear Anodized | .610 | 1.188 | .563 | 5/8 Hole | 1 3/32 | |
| | | 73-2481-3 | Red Anodized | .610 | 1.188 | .563 | 5/8 Hole | 1 3/32 | |
| | | 73-2485 | Clear Anodized | .688 | 1.063 | .641 | 5/8 Hole | 61/64 | |
| | | 73-2485-2 | Black Anodized | .688 | 1.063 | .641 | 5/8 Hole | 61/64 | |
| | | 73-2485-3 | Red Anodized | .688 | 1.063 | .641 | 5/8 Hole | 61/64 | |
| | Rolled Edge Shields | 73-2488 | Clear Anodized | .500 | 1.063 | .375 | 5/8-24 NEF-2B | 61/64 | |
| | | 73-2488-2 | Black Anodized | .500 | 1.063 | .375 | 5/8-24 NEF-2B | 61/64 | |
| | | 73-2488-3 | Red Anodized | .500 | 1.063 | .375 | 5/8-24 NEF-2B | 61/64 | |
| | | 73-2489-2 ^① | Clear Anodized | .719 | 1.063 | .594 | 5/8-24 NEF-2B | 61/64 | |
| | | 73-2489-3 ^① | Black Anodized | .719 | 1.063 | .594 | 5/8-24 NEF-2B | 61/64 | |
| | | 73-2489-4 ^① | Red Anodized | .719 | 1.063 | .594 | 5/8-24 NEF-2B | 61/64 | |
| | | 73-2490 | Clear Anodized | .547 | 1.063 | .500 | 5/8 Hole | 61/64 | |
| | | 73-2490-2 | Red Anodized | .547 | 1.063 | .500 | 5/8 Hole | 61/64 | |
| | | 73-2490-3 | Black Anodized | .547 | 1.063 | .500 | 5/8 Hole | 61/64 | |

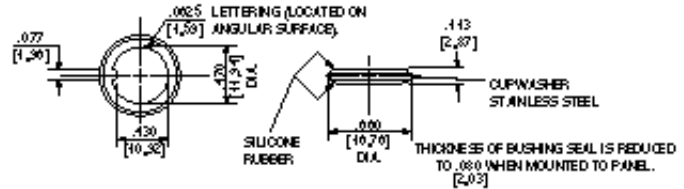
① May also be used with following mounting adapter types: A, B, D, DA, E, HA, P, PA, U, W.

ACCESSORIES

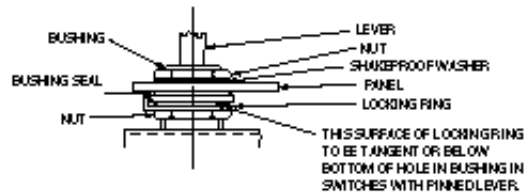
Protective Seals

PANEL SEAL PART NO. 32-341

- Prevents moisture and contaminants from entering panel enclosure
- Behind panel mounting
- Stainless steel cup washer assures proper seating of silicone rubber seal
- Seal withstands 20 psi water pressure
- MIL part number M5423/16-001 (Supersedes MIL part number MS25196-1)



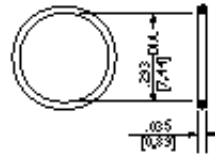
INSTRUCTIONS FOR ASSEMBLING BUSHING SEAL



BUSHING SEAL TO BE ASSEMBLED SO THAT SURFACE, WITH MARKING 'BOT TOM,' IS DOWN. LOCKING RING CAN BE ASSEMBLED WITH EAR EITHER UP OR DOWN.

"O" RING SEAL PART NO. 32-239-15

- Replacement panel seal for miniature positive action switches (8866 and 886™)
- Prevents entrance of contaminants into the panel enclosure
- Silicone rubber



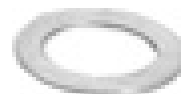
SWITCH BOOTS

Specifications

- Flexible silastic material prevents contaminants from entering switch
- 49-2030-2 designed for sealing Military high capacity switches (1-11/16" large lever)
- Popular 8846K2 consists of a boot 49-2033-2, nut 15-567, flexible washer 16-3084 and metal washer 16-1382

SELECTION TABLE

| Application | Catalog Or Part Number |
|---------------------------|------------------------|
| Flush Mounted Switches | 49-2030-2 |
| One Hole Mounted Switches | 8864K2 |

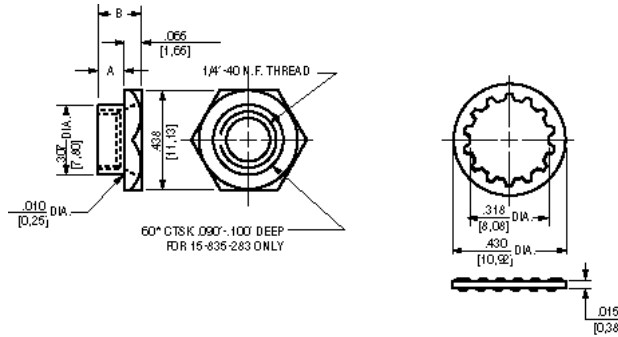


ACCESSORIES

Adapter Nut and Attachable Tips

MOUNTING ADAPTER NUT FOR MINIATURE POSITIVE ACTION SWITCHES

- For 8866 and 8867 type miniature switches
- Facilitates thick panel mounting
- Three adapter sizes available



SELECTION TABLE



Mounting Adapter Nut

| Dimension "A" | Dimension "B" | Panel Thickness | | Part Number |
|---------------|---------------|--------------------------------------|------------------------------------------|-------------|
| | | Standard Without Optional Lockwasher | With Optional Lockwasher Pt. No. 16-1880 | |
| .067 [1,70] | .137 [3,47] | .107 [2,71] | .090 [2,28] | 15-835 |
| .077 [1,95] | Nominal | .157 [3,98] | .140 [3,55] | |
| .129 [3,27] | .199 [5,05] | .169 [4,29] | .152 [3,86] | 15-835-3 |
| .139 [3,53] | Nominal | .219 [5,56] | .202 [5,13] | |
| .192 [4,87] | .262 [6,65] | .232 [5,89] | .215 [5,46] | 15-835-2 |
| .202 [5,13] | Nominal | .282 [7,16] | .265 [6,73] | |

ATTACHABLE TIPS

- Facilitates identification of various switch functions
- 24-1939 tips nickel plated for corrosion resistance
- 24-1939 tips snap on and are held by strong clip action at the base
- Vinyl slip on lever caps available for both miniature and standard bat lever switches

SELECTION TABLE



Part Numbers
49-4157 thru 49-4159



Part Numbers
49-4307 and 49-4308



Part Number
24-1939

| Application | Type of Tip | Government Part Number | Part Number |
|---------------------------------|-------------|------------------------|-------------|
| Attachable T ips | | | |
| Standard Bat Lever Switches | Fluorescent | AN3221-1 | 24-1939 |
| Vinyl Slip-On Lever Caps | | | |
| Standard Bat Lever Switches | Black | -- | 49-4307 |
| | Red | -- | 49-4308 |
| Miniature Bat Lever Switches | Black | -- | 49-4157 |
| | Red | -- | 49-4158 |
| | White | -- | 49-4159 |



ACCESSORIES

Mounting and Terminal Hardware

| Switch Catalog Number | Mounting Hardware ① | | | | Terminal Hardware ① | | | |
|-----------------------|---------------------|-----------|-------------|--------------|---------------------|---------------------|-------------|----------------|
| | Lock Nut | Face Nut | Lock Washer | Locking Ring | Terminal Screws | Terminal Lug or Nut | Lock Washer | Misc. Hardware |
| 8500-8505 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | 11-2379 | --- | --- | --- |
| 8510-8515 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | 11-2379 | --- | --- | --- |
| 8520-8528 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | 11-2379 | --- | --- | --- |
| 8530-8538 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | 11-2379 | --- | --- | --- |
| 8540-8548 | --- | --- | --- | --- | 11-2379 | --- | --- | --- |
| 8566-8568 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | 11-2379 | --- | --- | --- |
| 8570-8575 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | --- | --- | --- | --- |
| 8780-8782 | --- | --- | --- | --- | --- | 815-601-3 | 16-365-2 | 16-421-5 |
| 8790-8792 | --- | --- | --- | --- | --- | 815-601-3 | 16-3493 | 821-1114-6 |
| 8836-8838 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | 11-2379 | --- | --- | --- |
| 8843-8845 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | 11-2379 | --- | --- | --- |
| 8855-8856 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | --- | --- | --- | --- |
| 8866-8867 | --- | 15-454-13 | 16-1751 | --- | --- | --- | --- | 32-239-15 |
| 8868-8869 | 15-966-6 | 15-966-6 | 16-886 | 29-761 | --- | --- | --- | --- |
| A11200 | 15-1577 | Adapter | 16-3207 | --- | 11-4177 | 80-4961 | 16-3257-22 | --- |
| A1224BT | --- | 15-1574 | 16-3209 | --- | 11-4074 | --- | 16-3257-12 | --- |
| A1285BT | --- | 15-1574 | 16-3209 | --- | 11-4074 | --- | 16-3257-12 | --- |
| A20267 | --- | 15-1594 | 15-3215-3 | 52-2075 | --- | --- | --- | --- |
| A20271 | --- | 15-1594 | 16-3215-3 | 52-2075 | --- | --- | --- | --- |
| A20272 | --- | 15-1594 | 16-3215-3 | 52-2075 | --- | --- | --- | --- |
| A20273 | --- | 15-1594 | 16-3215-3 | 52-2075 | --- | --- | --- | --- |
| A3-200 thru | --- | --- | --- | --- | --- | --- | --- | --- |
| A3-215 | 15-1594 | 15-1594 | 16-3215 | 52-2050 | --- | --- | --- | --- |
| A3-32-270 | --- | 15-1596 | 16-3255-23 | 52-2041-6 | --- | --- | --- | --- |
| A3-41-270 thru | --- | --- | --- | --- | --- | --- | --- | --- |
| A3-48-270 | 15-1591 | 15-1591 | --- | 52-20511 | --- | --- | --- | --- |
| A3-54-103 | 15-1596 | 15-1623-2 | 16-3255-23 | 52-2041-6 | --- | --- | --- | --- |
| A3-54-270 | 15-1596 | 15-1623-2 | 16-3255-23 | 52-2041-6 | --- | --- | --- | --- |
| A3-55-270 | 15-1596 | 15-1623-2 | 16-3255-23 | 52-2041-6 | --- | --- | --- | --- |
| A4-5-270 | 15-1591 | 15-1591 | --- | 52-2051 | --- | --- | --- | --- |
| A4-6-270 | 15-1591 | 15-1591 | --- | 52-2051 | --- | --- | --- | --- |
| A4-7-270 | 15-1666-6 | 15-1566-6 | --- | 52-2041-6 | --- | --- | --- | --- |
| A4-18-270 | 15-1566-6 | 15-1566-6 | --- | 52-2041-6 | --- | --- | --- | --- |
| A4-63-110 | 15-1566-6 | 15-1566-6 | --- | 52-2041-6 | --- | --- | --- | --- |
| A4-86-270 | 15-1566-6 | 15-1566-6 | --- | 52-2041-6 | --- | --- | --- | --- |
| A800 | 15-1572 | Adapter | 16-3209 | --- | 11-4177 | 80-4961 | 16-3257-22 | --- |
| AT1226 | --- | 15-1572 | 16-3209 | 52-2039 | --- | --- | --- | --- |
| B7070 | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| B7070B | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| B7070BR | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| B7070R | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9001B | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9001BB | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9001BR | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9001R | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9002B | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9002BB | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9002BR | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9002R | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| B9021BB thru | --- | --- | --- | --- | --- | --- | --- | --- |
| B9021CR | 15-1568 | --- | 16-3203 | --- | --- | --- | --- | --- |
| B9022BB thru | --- | --- | --- | --- | --- | --- | --- | --- |
| B9022CR | 15-1568 | --- | 16-3203 | --- | --- | --- | --- | --- |
| BR7070 | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9001B | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9001BB | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9001BR | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9001R | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9002B | 15-1580-4 | 15-1580-4 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9002BB | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9002BR | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9002R | 15-1580-3 | 15-1580-3 | 16-3255-16 | --- | --- | --- | --- | --- |
| BW9021BB thru | --- | --- | --- | --- | --- | --- | --- | --- |
| BW9021CR | 15-1568 | --- | 16-3203 | --- | --- | --- | --- | --- |
| BW9022BB thru | --- | --- | --- | --- | --- | --- | --- | --- |
| BW9022CR | 15-1568 | --- | 16-3203 | --- | --- | --- | --- | --- |
| C100 Series | 15-1572* | Adapter | 16-3209* | --- | 11-4177 | 80-4961 | 16-3257-22 | --- |
| C200 Series | 15-1572* | Adapter | 16-3209* | --- | 11-4177 | 80-4961 | 16-3257-22 | --- |
| TW3103 | 15-1580 | 15-1580 | --- | 52-2043 | --- | --- | --- | --- |
| TW3113 | 15-1580 | 15-1580 | --- | 52-2043 | --- | --- | --- | --- |

① Hardware items are sold as replacement parts for Eaton switches only.

* Locking nut 15-1597 and washer 16-3209-2 furnished with black finished devices.


ACCESSORIES
Mounting and Terminal Hardware

| Switch Catalog Number | Mounting Hardware ① | | | | Terminal Hardware ① | | | |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|-------------------------------------|
| | Lock Nut | Face Nut | Lock Washer | Locking Ring | Terminal Screws | Terminal Lug or Nut | Lock Washer | Misc. Hardware |
| TW20000 TW20001 TW20002 W100 Series W1501 | 15-1582 15-1582 15-1582 15-1572* 15-1573 | 15-1582 15-1582 15-1582 Adapter Adapter | 16-3202 16-3202 16-3202 16-3209* 16-3201 | 52-2046 52-2046 52-2046 --- --- | --- --- --- 11-4177 --- | --- --- --- 80-4961 --- | --- --- --- 16-3257-22 --- | --- --- --- --- --- |
| W1501R W301 W302 W303 W403P6 | 15-1573 --- --- --- 15-1572 | Adapter 15-1577 15-1577 15-1577 Adapter | 16-3201 16-3207 16-3207 16-3207 16-3207 | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- |
| W403P6R W9001 thru W9006 Series W9601 thru W9606 Series | 115-1572 15-1572 15-1572 | Adapter Adapter Adapter | 16-3209 16-3209 16-3209 and 16-3113 | --- 52-2042 --- | --- --- 11-4177 | --- --- 80-4961 | --- --- 16-3257-22 | --- --- --- |
| W9623 Series W150 Series C20050 Series C3100 Series C4100 Series | 15-1572 15-1572* --- 15-1577 15-1577 | Adapter Adapter 15-1577 15-1577 15-1577 | 16-3209 and 16-3113 16-3209* 16-3207 16-3207 16-3207 | --- --- --- --- --- | 11-4177 --- 11-4177 11-4177 11-4177 | 80-4961 --- 80-4961 80-4961 80-4961 | 16-3257-22 --- 16-3257-22 16-3257-22 16-3257-22 | --- --- --- --- |
| D201 thru D207 Series H11-330 H11-31 H11-334 H11-335 | 15-1576 or 15-1577 or 15-1579 15-1637 15-1637 15-1637 15-1618-2 | Adapter 15-1637 15-1637 15-1637 15-1618-2 | 16-3204 or 16-3207 or 16-3210 16-3255-23 16-3255-23 16-3255-23 16-3209 | --- 52-2041-6 52-2041-6 52-2041-6 52-2055 | 11-4082 --- --- --- --- | --- --- --- --- --- | 16-3257-22 --- --- --- --- | --- --- --- --- --- |
| H11-374 H11-375 H11-390 H11-391 H11-394 | 15-1637 15-1718-2 15-1637 15-1637 15-1637 | 15-1637 15-1618-2 15-1637 15-1637 15-1637 | 16-3255-23 16-3209 16-3255-23 16-3255-23 16-3255-23 | 52-2041-6 52-2055 52-2041-6 52-2041-6 52-2041-6 | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- |
| H11-395 H2211 H2256 J100 J103 | 15-1618-2 15-1572 15-1572 15-1576 15-1576 | 15-1618-2 Adapter Adapter Adapter Adapter | 16-3209 16-3209 16-3209 16-3210 16-3210 | 52-2055 --- --- --- --- | --- --- --- 11-4177-65 11-4177-65 | --- --- --- --- --- | --- --- --- 16-3257-22 16-3257-22 | --- --- --- --- --- |
| J20145 J20149 J20152 J20153 J300 Series | --- --- --- --- 15-1572 | 15-1594 15-1594 15-1594 15-1594 Adapter | 16-3215-3 16-3215-3 16-3215-3 16-3215-3 16-3209-3 | 52-2075 52-2075 52-2075 52-2075 --- | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- |
| J4004 T1002 T1003 T1202 T1203 | 15-1572 --- --- --- --- | Adapter 15-1566 15-1566 15-1566 15-1566 | 16-3209 16-3204 16-3204 16-3204 16-3204 | --- 52-2041 52-2041 52-2041 52-2041 | --- 11-4177-65 11-4177-65 --- --- | --- --- --- --- --- | --- 16-3257-12 16-3257-12 --- --- | --- --- --- --- --- |
| T2106 T2114 T2150 T2153 T3103 | 15-1580 15-1580 15-1580 15-1580 15-1580 | 15-1580 15-1580 15-1580 15-1580 15-1580 | --- --- --- --- --- | 52-2043 52-2043 52-2043 52-2043 52-2043 | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- | --- --- --- --- --- |
| T3106 T3113 TW1002 TW1003 TW2106 | 15-1580 15-1580 --- --- 15-1580 | 15-1580 15-1580 15-1566 15-1566 15-1580 | --- --- 16-3204 16-3204 --- | 52-2043 52-2043 52-2041 52-2041 52-2043 | --- --- 11-4177-65 11-4177-65 --- | --- --- --- --- --- | --- --- 16-3257-12 16-3257-12 --- | --- --- --- --- --- |
| TW2150 TW2161 | 15-1580 15-1580 | 15-1580 15-1580 | --- --- | 52-2043 52-2043 | --- --- | --- --- | --- --- | --- --- |

① Hardware items are sold as replacement parts for Eaton switches only.

* Locking nut 15-1597 and washer 16-3209-2 furnished with black finished devices.



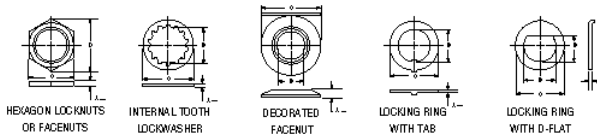
ACCESSORIES

Mounting and Terminal Hardware

SELECTION TABLE

MOUNTING HARDWARE FOR ONE HOLE MOUNTING SWITCHES

| MOUNTING NUTS | | | | | | | |
|------------------------------------------------------------------------------|---------------------------|----------------------------|---------------------------|---------------------------------|-------------------------------------------|-------------------------------------|-------------|
| Size (Inches) | Description | Material | Dimensions (Inches) | | | | Part Number |
| | | | Thickness (Dimension "A") | Inside Diameter (Dimension "B") | O.D. or Dim. Across Flats (Dimension "C") | Dim. Across Corners (Dimension "D") | |
| 1/4 - 40 | Hexagon Facenut | Dull nickel plated brass | .063 | --- | .307 | .344 | 15-454-13 |
| | Hexagon Locknut/Facenut | Cadmium plated brass | .063 | --- | .309 | --- | 15-1580 |
| | Hexagon Locknut/Facenut | Black plated brass | .063 | --- | .309 | --- | 15-1580-3 |
| | Hexagon Locknut/Facenut | Cadmium plated steel | .063 | --- | .309 | --- | 15-1580-4 |
| | Hexagon Locknut/Facenut | Stainless steel-passivated | .094 | --- | .375 | --- | 15-1591 |
| 13/32-32 | Hexagon Facenut | Cadmium plated brass | .109 | --- | .500 | --- | 15-1568 |
| 15/32-32 | Hexagon Locknut/Facenut | Dull nickel plated steel | .078 | --- | .563 | .656 | 15-966-6 |
| | Hexagon Facenut | Cadmium plated brass | .078 | --- | .563 | --- | 15-1566 |
| | Hexagon Locknut/Facenut | Cadmium plated steel | .078 | --- | .563 | --- | 15-1566-6 |
| | Hexagon Locknut/Facenut | Cadmium plated steel | .093 | --- | .558 | .640 | 15-1594 |
| | Hexagon Locknut/Facenut | Stainless steel-passivated | .078 | --- | .563 | --- | 15-1596 |
| | Decorative Facenut | Chrome plated brass | .125 | .375 | .775 | --- | 15-1623-2 |
| Hexagon Locknut/Facenut | Cadmium plated steel | .125 | --- | .625 | .720 | 15-1637 | |
| 1/2-32 | Hexagon Locknut/Facenut | Cadmium plated brass | .140 | --- | .625 | --- | 15-1577 |
| 5/8-18 | Hexagon Facenut | Cadmium plated brass | .125 | --- | .813 | --- | 15-1574 |
| 5/8-24 | Hexagon Locknut | Tin-zinc plated brass | .094 | --- | .750 | --- | 15-1572 |
| | Hexagon Locknut/Facenut | Stainless steel-passivated | .125 | --- | .813 | .930 | 15-1618-2 |
| 3/4-32 | Hexagon Locknut | Cadmium plated brass | .125 | --- | 1.00 | --- | 15-1573 |
| MOUNTING WASHERS, LOCKING RING AND PANEL SEAL | | | | | | | |
| 1/4 DIA. | Internal Tooth Lockwasher | Stainless steel-passivated | .018 | .261 | .402 | --- | 16-1751 |
| | Internal Tooth Lockwasher | Cadmium plated steel | .018 | .261 | .403 | --- | 16-3202 |
| | Internal Tooth Lockwasher | Stainless steel-passivated | .025 | .261 | .469 | --- | 16-3255-16 |
| | Panel Seal | Silicone Rubber | .035 | .295 | .372 | --- | 32-239-15 |
| | Locking Ring (tab) | Cadmium plated brass | .031 | .252 | .344 | --- | 52-2043 |
| | Locking Ring (tab) | Stainless steel-passivated | .031 | .260 | .476 | --- | 52-2051 |
| | Locking Ring (D-flat) | Stainless steel-passivated | .029 | .255 | .398 | --- | 52-2046 |
| 13/32 DIA. | Internal Tooth Lockwasher | Cadmium plated bronze | .022 | .441 | .540 | --- | 16-3202 |
| 15/32 DIA. | Internal Tooth Lockwasher | Stainless steel-passivated | .018 | .476 | .600 | --- | 16-886 |
| | Internal Tooth Lockwasher | Stainless steel-passivated | .019 | .476 | .600 | --- | 16-3255-23 |
| | Internal Tooth Lockwasher | Cadmium plated steel | .018 | .472 | .594 | --- | 16-3215 |
| | Internal Tooth Lockwasher | Cadmium plated steel | .018 | .472 | .594 | --- | 16-3215-3 |
| | Internal Tooth Lockwasher | Cadmium plated bronze | .018 | .472 | .594 | --- | 16-3204 |
| | Locking Ring (tab) | Cadmium plated brass | .040 | .475 | .719 | --- | 52-2041 |
| | Locking Ring (tab) | Stainless steel-passivated | .040 | .475 | .719 | --- | 52-2041-6 |
| | Locking Ring (D-flat) | Cadmium plated steel | .048 | .470 | .719 | .446 | 52-2075 |
| | Locking Ring (tab) | Stainless steel-passivated | .040 | .475 | .719 | --- | 29-761 |
| | Locking Ring (D-flat) | Stainless steel-passivated | .040 | .475 | .719 | --- | 52-2050 |
| 1/2 DIA. | Internal Tooth Lockwasher | Cadmium plated bronze | .022 | .500 | .625 | --- | 16-3207 |
| 5/8 DIA. | Internal Tooth Lockwasher | Tin-zinc plated bronze | .022 | .640 | .875 | --- | 16-3209 |
| | Internal Tooth Lockwasher | Nickel plated bronze | .022 | .640 | .875 | --- | 16-3209-3 |
| | Gasket, washer | Neoprene rubber | .062 | .625 | .875 | --- | 16-3113 |
| | Locking Ring (tab) | Cadmium plated brass | .031 | .631 | .938 | --- | 52-2042 |
| | Locking Ring (tab) | Stainless steel-passivated | .040 | .652 | .875 | --- | 52-2055 |
| 3/4 DIA. | Internal Tooth Lockwasher | Stainless steel-passivated | .022 | .759 | 1.063 | --- | 16-3201 |
| 7/8 DIA. | Internal Tooth Lockwasher | Cadmium plated bronze | .020 | .885 | 1.095 | --- | 16-3210 |
| TERMINAL HARDWARE – SCREWS, LOCKWASHERS, LUGS AND NUTS | | | | | | | |
| #6-32 x .250 #6-32 x .187 #6-32 x .187 #2-56 x .130 #6-32 x .190 | Terminal Sem screw | Dull nickel plated brass | --- | --- | --- | --- | 11-2379 |
| | Terminal screw | Dull nickel plated brass | --- | --- | --- | --- | 11-4082 |
| | Terminal screw | Dull nickel plated brass | --- | --- | --- | --- | 11-4074 |
| | Terminal screw | Dull nickel plated brass | --- | --- | --- | --- | 11-4177 |
| | Terminal screw | Dull nickel plated brass | --- | --- | --- | --- | 11-4177-65 |
| 1/4 DIA. 1/4 DIA. 1/4 DIA. 1/4 DIA. 6/32 DIA. 2/56 DIA. | Lockwasher | Nickel plated brass | .064 | .265 | .500 | --- | 16-421-5 |
| | Lockwasher | Silverplated brass | .040 | .275 | .562 | --- | 821-1114-6 |
| | Lockwasher | Cadmium plated brass | .062 | .259 | .489 | --- | 16-3493 |
| | Lockwasher | Cadmium plated bronze | .063 | .255 | .487 | --- | 16-365-2 |
| | Lockwasher | Cadmium plated bronze | .031 | .141 | .253 | --- | 16-3257-12 |
| | Lockwasher | Cadmium plated bronze | .015 | .088 | .165 | --- | 16-3257-22 |
| #2/56 x .130 | Terminal Lug | Tin plated brass | --- | --- | --- | --- | 80-4961 |
| 1/4 - 20 | Terminal Nut | Silver plated brass | --- | --- | --- | --- | 815-601-3 |



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