

30 mm Push Buttons



Flush
Non Illuminated
Momentary



Flush
Illuminated
Momentary



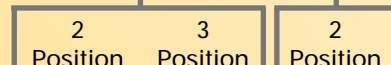
Booted
Momentary



Projecting
Momentary



Selector
Maintained
Momentary



| Color | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |
|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| White | AF1 | ALF1-XXX | ALF1LB-XXX | AB1 | AP1 | AS2-2P | AS2-3P | AS2-2PSR |
| Black | AF2 | | | AB2 | AP2 | | | |
| Green | AF3 | ALF3-XXX | ALF3LB-XXX | AB3 | AP3 | | | |
| Red | AF4 | ALF4-XXX | ALF4LB-XXX | AB4 | AP4 | | | |
| Amber | | ALF5-XXX | ALF5LB-XXX | | | | | |
| Blue | AF6 | ALF6-XXX | ALF6LB-XXX | AB6 | AP6 | | | |
| Clear* | | ALF7-XXX | ALF7LB-XXX* | | | | | |
| Yellow | AF8 | ALF8-XXX | ALF8LB-XXX | AB8 | AP8 | | | |

* ALF7LB-XXX supplied with yellow LED

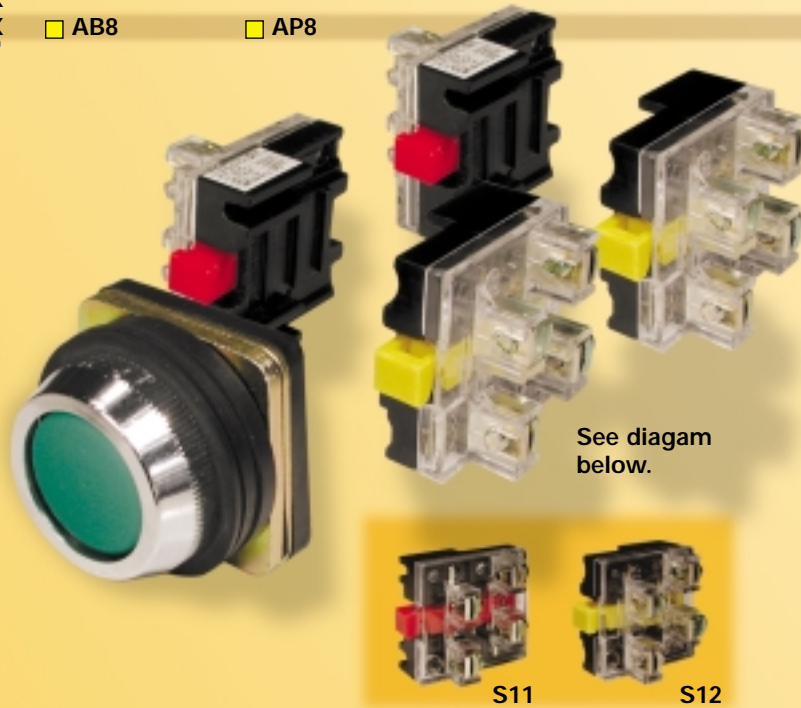
Note:
All LED pilot lights
and illuminated
actuators at a
specified voltage
will operate on
either AC or DC.

| Voltage Codes | |
|---------------|--------------|
| 024 | = 24V AC/DC |
| 048 | = 48V AC/DC |
| 110 | = 110V AC/DC |
| 230 | = 230V AC/DC |



Certified for type 4X, 12 environment.

Note:
Up to 4 contact blocks may be installed on any non illuminated actuator. This will give the user up to 4 NO and 4 NC contacts. With an illuminated actuator (ALF series), 2 contact blocks may be installed.



See diagram below.



S11

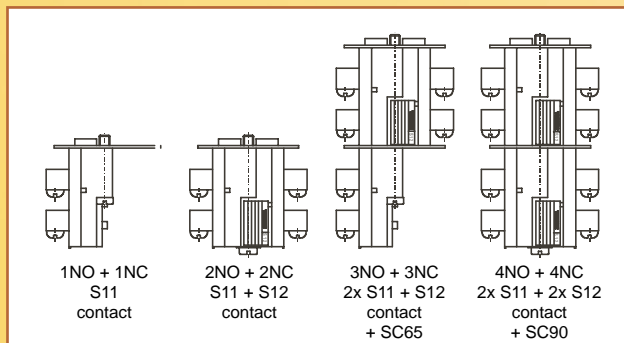
S12

30 mm Contact Elements

| Description | Cat. No. |
|--------------------------------------------------------|-----------|
| 1 Normally Open + 1 Normally Closed Silver Contacts | S11 |
| 2 Normally Open + 2 Normally Closed Silver Contacts | S11 + S12 |

For additional contacts,
see diagram at right.

| Contact Installation Screws | | |
|-----------------------------|------------|-----------------|
| Type | Dimensions | Used with |
| SC25 | M4 x 25 mm | S11 |
| SC45 | M4 x 45 mm | S12, S11 + S12 |
| SC65 | M4 x 65 mm | 2x S11 + S12 |
| SC90 | M4 x 90 mm | 2x S11 + 2x S12 |



30 mm Push Buttons



Mushroom with Key



Mushroom with Indicating Arrows

Press to Lock,
Turn to Release



Mushroom Momentary



Key

Press to Lock, Key to Release Key to Lock, Key to Release

Cat. No.

Cat. No.

Cat. No.

Cat. No.

Cat. No.

■ AMLKB2

■ AMKB2

■ AML2

□ AM1

■ AM2

■ AK2-XXXXX

■ AMLKB4

■ AMKB4

■ AML4

■ AM3

■ AM4

■ AM6

■ AM8

Characteristics

Environment

| | | | |
|-------------------------------------------------|---------------------------------------------|-------|------------|
| Ambient Temperature | Storage | deg C | -25 to +70 |
| Degrees of Protection | Conforming to IEC 529 | | IP65 |
| Mechanical Life in millions of operating cycles | All push buttons except maintained mushroom | | 1 |
| | maintained mushroom | | 0.3 |

Mechanical Characteristics of contact elements

| | | |
|--------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------|
| Contact Operation | NC+NO | Double break, self wiping |
| Rated Insulation Voltage | 500 V AC | |
| Operating Travel | Push buttons | Changing NC state 2.4mm Changing NO state 4.3mm Travel 8.7mm |
| Terminal Capacity | Cablings | 2x1.5 sq.mm (2x16 AWG) or 1x2.5 sq.mm (14 AWG) |
| Contact Material | Bimetal (Cu/Ag) | Standard single element |
| Short Circuit Protection | Conforming to IS6875-II | 10A HRC fuse |
| Rated Make Break | UL508, A600 Q600, ratings | standard block with screw clamp terminals 415V, 10A standard block with screw clamp terminals 220V, 2A |
| Dielectric Strength | Push Buttons, Pilot Lights | 2500V for 1 minute |

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Function Codes

| Ser. No. | Function |
|----------|------------|
| 2PB | Maintained |
| 2POSR | Momentary |
| 2PI | Maintained |
| 2PO | Maintained |
| 3PB | Maintained |
| 3PC | Maintained |

Key Removal

| Function |
|-------------------------|
| Both Positions |
| Left Position |
| Right Position |
| Left Position |
| Left and Right Position |
| Center Position |



Certified for type 4X, 12 environment.

Note:
All LED pilot lights and illuminated actuators at a specified voltage will operate on either AC or DC.



Pilot Lights

Color

Filament Cat. No.

LED Cat. No.

— [X] [X] [X]

- White
- Green
- Red
- Amber
- Blue
- Clear
- Yellow

- PLB1-XXX
- PLB3-XXX
- PLB4-XXX
- PLB5-XXX
- PLB6-XXX
- PLB7-XXX
- PLB8-XXX

- PLB1LB-XXX
- PLB3LB-XXX
- PLB4LB-XXX
- PLB5LB-XXX
- PLB6LB-XXX
- PLB7LB-XXX*
- PLB8LB-XXX

Voltage Codes

| | |
|-----|-------------|
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