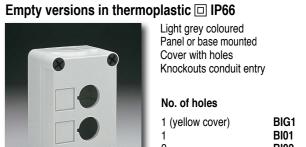
Push-buttons stations



BI01 BI02 BI03

BI04

Panel mounting BMDM1 BMDG2 BMDM2 BMDG3 BMDG4 BMDM4 BMDG6

Grey coloured RAL 7012

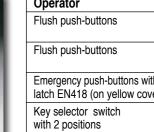
AEG

BMDG8 BMDG12 BMDG18 BMDG24 BMDG35

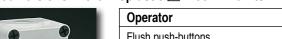
Namepl

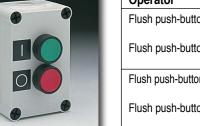
Namepl.

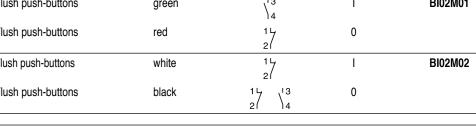
Equipped versions in thermoplastic 🗆 IP66 - 1 unit



BI01M01 BI01M03 BI01M02 Emergency push-buttons with latch EN418 (on yellow cover)











green

Main features



Shape, material and colours

The line offers three types of operators: round in satin chrome metal

 round in engineered thermoplastic square in engineered thermoplastic

Modern ergonomic actuators are available in a wide variety of colours and styles, and are the result of superior industrial design experience.

Technical data

Panel mounting

Base mounting

The series satisfies any sophisticated industrial applications.



Mounting system

blocks and power supplies for panel mounting. Furthermore a range of operators, contact blocks and power supplies are available for base mounting.

The base mounting option is simple thanks to plastic

Fitted for panels 1 to 6mm thick with holes dril-

Compliance with standards

CEI EN 60947.5.1 - UTE - BSI

NEMA - CENELEC EN 50007

Bureau Veritas (F)

50mm 1 97"

IEC 947.5.1 - VDE 0660 - NF-C63140

UL (U.S.A.) - CSA (Canada) - RINA (I)

Lloyd's Register of Shipping (U.K.) -

led according to CENELEC EN 50007standards. • Storage

flange with 3 seats

flange with 5 seats

enclosures fitted with a standard mounting adaptor, which allows a snap-on and secure fastening. The tab can be removed with a screwdriver for applications in holes without notch.

degree of protection.

Temperature range

Climatic protections

higher degree of protection.

Shock resistance

1/2 sinusoid 11 ms:

transformator 38 G).

The standard versions are suitable for use in the

• Temperate climate cat. 23/50 (DIN 50014)

Hot wet climate cat. 40/92 (DIN 50015)

Variable wet climate cat. FW24 (DIN 50016)

Degree of protection of the operators

IP66 according to CENELEC EN 60529 when they

are mounted into enclosures with the same or a

Suitable for using into enclosures NEMA type

Degree of protection of the terminals

1-3-3R-3S-4-4X-12-13 according to UL 508.

IP2x according to CENELEC EN 60529

(according to MIL 202 B method 202 A)

Operation

following climates:

Wet climate



: from -25°C up to +70°C

: from -40°C up to +70°C

cat. 23/83 (DIN 50015)

No damage or disassembling at 100 G for all • Four switching points

devices (except for the illuminated operators with

• Double break

Fitting and positioning Rear locking and back mounting procedure The line offers a wide variety of operators, contact All the operators are fitted with seal to ensure IP66

The operators are back mounted to the panel by a A locating tab on the operator allows the correct patented locking ring. The units can be assembled positioning on panels with holes drilled according using a standard screwdriver.

Vibration resistance

(according to IEC 68-2-6)

Rated insulation voltage

690 V according to EN 60947.1

4 kV according to EN 60947.1

Impulse withstand voltage

Electric shock protection

IEC 536 for plastic operators.

With fuses type gG of 16 A according to

Performances of the contacts

Electrical resistance of the contact

Short-circuit protection

IEC 269.1 and 269.3.

· Self-cleaning sliding

NC "positive opening"

· Double movable contact

Slow action

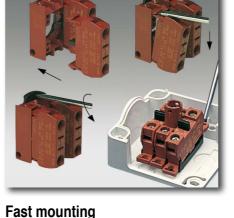
16 G with frequency range from 40 to 500 Hz and

Class I according to IEC 536 for metal operators.

Class II (double insulation) according to

maximum shifting 0.75 mm (peak-to-peak).

to CENELEC EN 50007 standards (with notch). As an option, an assembly wrench is available. The tab also ensures panel stability and prevents



Safety and reliability The contact blocks are designed to ensure

All the rear panel devices are snap-on. Mounting between panel and operator is accomplished by means of a patented snap-on flange

which ensures a fast fitting.

For base mounting, the fitting is done directly on the adaptor inside the enclosures base. Each single block can be mounted or removed

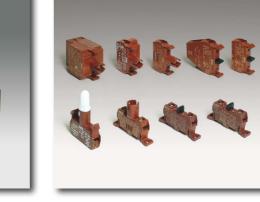
In panel mounting, it is also possible to install or remove the snap-on mounting flange with the contact block group.

Blocks and/or flange can be disassembled by a standard screwdriver, to simplify operations.

 \leq 25 m Ω according to IEC 255, cat 3

Idenfication of the terminals

According CENELEC EN 50013



Electrical units

Insert holders

Control and signalling units

Main features

Bulbs

Common accessories

Suppllied with neutral insert engravable on both sides Standard 30 x 50 mm

Round plates For emergency push-buttons (yellow cover)

Red

diameter 59 mm GKSIC GKSEC GKSFC GKSDC Emergenza Emergency Stop Arrêt d'urgence Not - Aus

Square 30x30 mm

Illuminated push-buttons max 2 max 2

maximum reliability in every condition and to

monitor control circuits at low energy levels

Standard Optional 3 contacts 5 contacts max 6 max 8 Push-buttons max 6 max 8 (mushroom head) Emergency push-buttons max 6 max 8 (with lever) Selector switch

Selector switch (with key) max 4 Selector switch Emergency push-buttons max 2

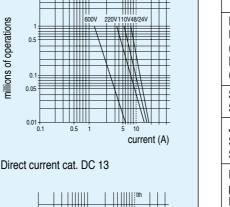
push pull to release Push-buttons

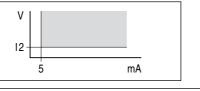
> Illuminated push-buttons max 4 max 4 Illuminated push-buttons max 4 max 4 (mushroom head) Illuminated selector switch max 4 max 4 Illuminated push-buttons max 2 max 2

(mushroom head) 3 positions (mushroom head)

Electrical life

Alternate current 50/60 Hz cat. AC 15





Electrical performances

Rated thermal current Ith = 10 A Performances according IEC 947.5.1 Category AC15

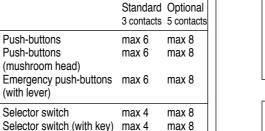
Ue (V) 24 48 60 110 220 380 500 600 le (A) 10 10 10 6 3 2 1.5 1.2

Category DC 13 Ue (V) 24 48 60 110 220 300 le (A) 2.5 1.4 1 0.55 0.27 2

Performances according to CSA and UL AC/Heavy Duty (A600) - DC/Standard Duty

Minimum operating range

Max number of contacts



max 4 max 2

3 positions (mushroom head)

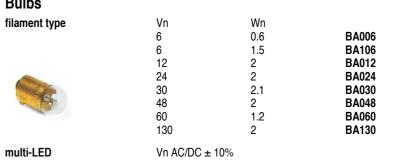
Locking ring wrench Bulb extractor Extractor for caps and Irnses

BCWAL

BCWAG

for 3 contacts

for 5 contacts



BM48* BM11* LED colour * R G Y

BM12*

BM24*

BI01M04 BIG1M07

Empty versions in aluminium alloy

Equipped versions in thermoplastic | IP66 - 2 units



Flush push-buttons Flush push-buttons Flush push-buttons Flush push-buttons

Equipped versions in thermoplastic IP66 - 3 units



Flush push-buttons Flush push-buttons Indicatore luminoso Pulsante con guardia

VIIª Strada 7, Z.I. Nord 35129 Padova Tel. +39 0498075544 Fax +39 0498077695 E-mail info@aegelettra.it Web www.aegelettra.it

Edition 1/2015

Control and signalling units

Control and signalling units

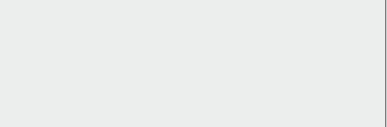
AEG AEG Control and signalling units

Panel mounting

Standard control units

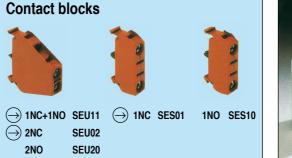


Example: Green push-button in metal, round with flush cap + 2 contacts NO = BMDGG + 2 x SES10



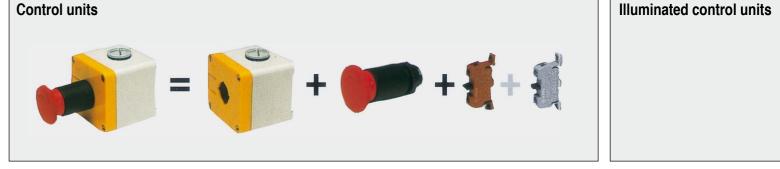


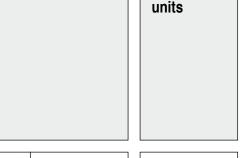






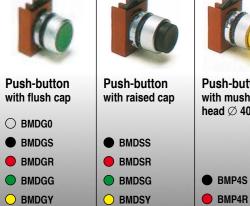
Base mounting





Signalling





BMDSB



BMP4G

BMP4Y

Push-button

with mushroom

head Ø 40 mm

BFP4S

BFP4R

BFP4G

BFP4Y



Push-button

emergency

push-twist to

BFPRN

with mushroom

head Ø 40 mm



 $\rightarrow \leftarrow$

with lever

BFK1L

BFK3L

I-0-II fixed

BMK1S

BMK3S

Selector switch

with knob

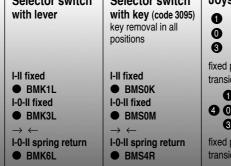
BFK1S

BFK3S

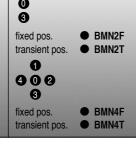
BFK6S

I-0-II spring return

 $\rightarrow \leftarrow$









Potentiometer

operator

(potentiometer

not included)

BMTRG

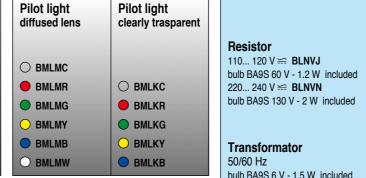
push-buttons

simbol "R"









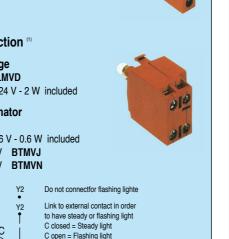
clearly trasparent

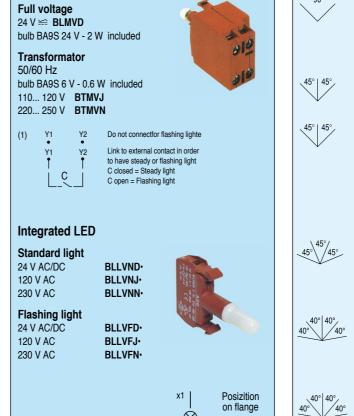
) BFLKC

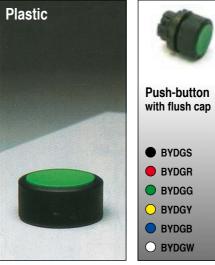
BFLKR

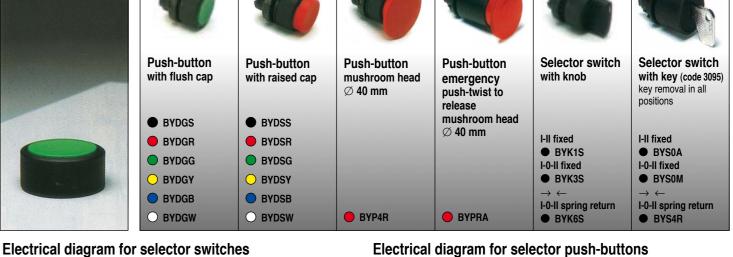
BFLKG





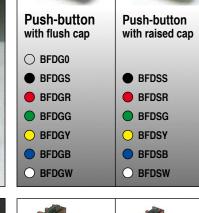


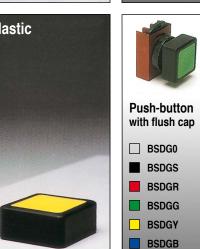


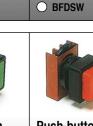


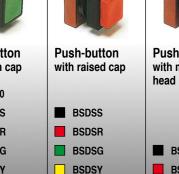


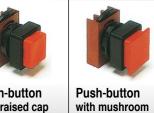


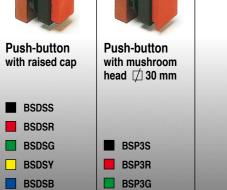












BSP3W



Push-button

emergency

break push-twist

with mushroom

head Ø 40 mm

with positive

to release

BFPRA







with key (code 3095)

fixed pos.

402

transient pos.

BFN2F

BFN2F

key removal in all

positions

BFK0K

BFK0M

I-0-II spring return

BFK4R

I-0-II fixed



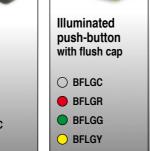
Emergency

with lever

push-buttons







push-button

BSLGC

BSLGY

BSLGB

BSLGW

with flush cap



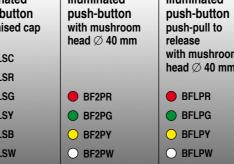
push-button

BSLSC

BSLSY

■ BSLSR

with raised cap



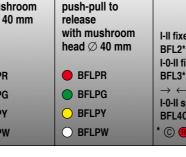
push-button

BS2PG

BS2PY

with mushroom

head 7 30 mm



push-button

with mushroom

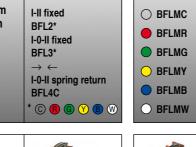
BSLPR

BSLPG

BSLPY

head Ø 40 mm

push-pull to



I-0-II fixed

BSL3*

Illuminated

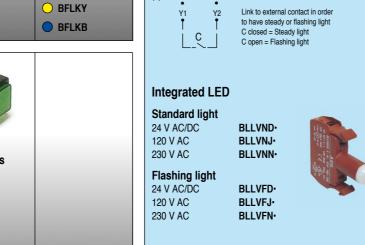
selector switch



Pilot light

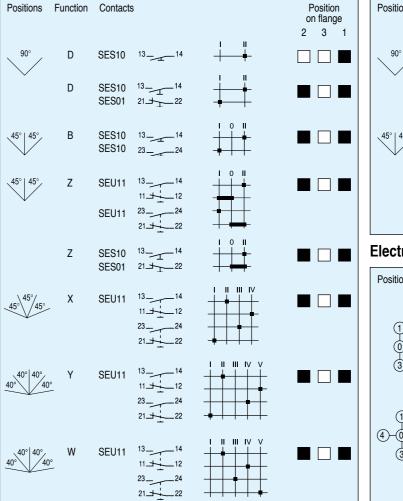
diffused lens

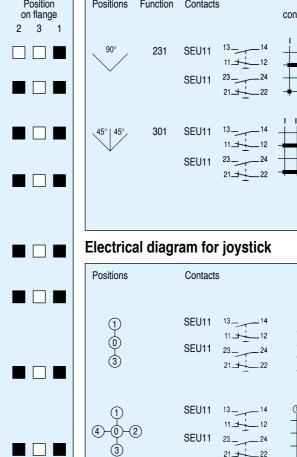


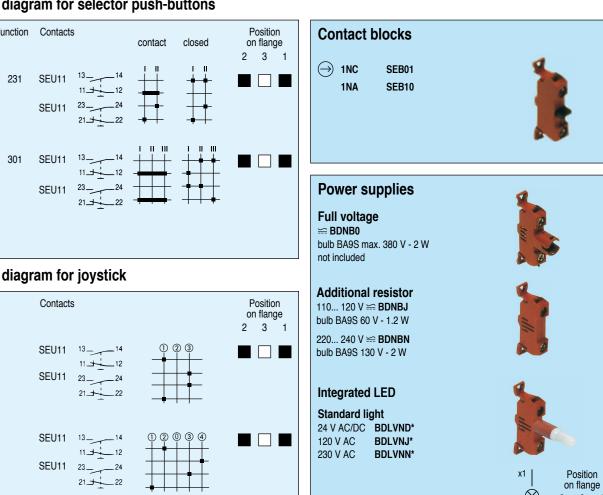


ORGYBW

bulb BA9S max. 380 V - 2 W not included







* ORGYBW