

Pushbuttons/Selectors/Pilot Lights/Buzzers AH164 and AH165 Type number nomenclature

■ Type number nomenclature

Pushbuttons, illuminated pushbuttons and pilot lights

AH165 - L R 11 E 3 - W
 ① ② ③ ④ ⑤ ⑥ ⑦

① Product category

AH164: Standard (IP40)
 AH165: Oil-tight (IP65)

② Operator or lens

• Operator for illuminated pushbutton

SL: Flush square head
 SL5: Flush square head (Alternate)
 TL: Flush rectangular head
 TL5: Flush rectangular head (Alternate)
 L: Extended round head
 L5: Extended round head (Alternate)
 TGL: Flush rectangular head with guard
 TGL5: Flush rectangular head with guard (Alternate)
 SGL: Flush square head with guard
 SGL5: Flush square head with guard (Alternate)

• Operator for pushbuttons

SF: Flush square head
 SF5: Flush square head (Alternate)
 TF: Flush rectangular head
 TF5: Flush rectangular head (Alternate)
 E: Extended round head
 E5: Extended round head (Alternate)
 TGF: Flush rectangular head with guard
 TGF5: Flush rectangular head with guard (Alternate)
 SGF: Flush square head with guard
 SGF5: Flush square head with guard (Alternate)
 M: Mushroom head
 M5: Mushroom head (Alternate)
 SM: Convex square head
 SM5: Convex square head (Alternate)
 TM: Convex rectangular head
 TM5: Convex rectangular head (Alternate)
 V: Push-lock, turn-reset (32mm dia.)^{*1 *2}
 V1: Push-lock, turn-reset (40mm dia.)^{*1 *2}

• Operator for emergency stop pushbuttons

V5: Push-lock, turn-reset (32mm dia.)^{*2}
 V6: Push-lock, turn-reset (40mm dia.)^{*2}

• Lens for pilot lights

Z: Extended round
 ZS: Flush square
 ZT: Flush rectangular
 ZM: Dome

Note: ^{*1} Product with no trigger action mechanism

^{*2} AH165 type only, direct opening action

③ Color of button or lens

Code	color	Button	LED	Incandescent	Neon
G	Green	○	○	○	○
R	Red	○	○	○	○ (Orange)
B	Black*	○	—	—	—
Y	Yellow	○	○	○	○ (Orange)
W	White	○	○ (Orange)	○	○ (Orange)
S	Blue	○	○	○	○ (Green)
O	Orange	○	○ (Amber)	○	○
RG	Red/Green	—	○	—	—

Notes: • () : indicates luminous color
 • AH165-V, V1, V5, V6: Red only
 * Not available for illuminated types

④ Contact arrangement

01: 1NC^{*1} 22: 2NO+2NC
 02: 2NC^{*1} 33: 3NO+3NC^{*2}
 11: 1NO+1NC

Notes: ^{*1} Available for AH165-V, V1, V5, V6

^{*2} Not available for with transformer types

⑤ Lamp voltage

Code	LED	Incandescent ^{*2}	Neon ^{*2}
AA	5V DC ^{*2}	—	—
A	6V DC ^{*2}	5V AC/DC	—
B	12V DC	12V AC/DC	—
E	24V DC	24V AC/DC	—
H	100-110V AC ^{*1 *2}	100-110V AC ^{*1}	110V AC
K	—	—	120V AC
M	200-220V AC ^{*1 *2}	200-220V AC ^{*1}	220V AC
P	—	—	240V AC

Notes: ^{*1} With transformer (LED: 24V, Incandescent: 28V)

^{*2} Not available AH165-ZM

• ZM type: LED lamp only (12, 24V DC)

⑥ Type of lamp

Blank: Incandescent

1: Neon
 2: Spot LED, LED (ZM types)
 3: Flat LED

⑦ Terminal

Blank: Solder/tab

W: Wire-wrap
 S: Soder (AH165-V, V1, V5, V6 types only)

Note: ZM types: wire-wrap terminal only (Code is blank)