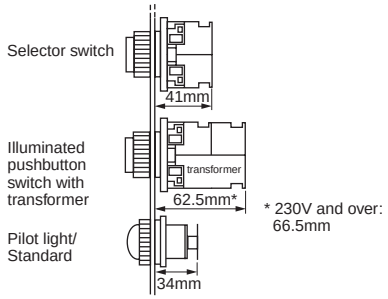
The full range of the contact blocks and transformer units suitable for the AR22 and DR22 series may also be fitted to the AR30 and DR30 series.

■ Features

Quick-replacement contact blocks and transformer units
The snap-on construction makes replacement and addition of contact blocks and transformer units very simple and straightforward.

Oil-and dust-proof operator module construction
The protection level of the AR30/DR30 operator modules conforms to IEC Standard IP65. The special seals protect the operator modules and switch mechanisms against oil, dust, and grime, thus ensuring high performance in dusty and moist environments.

Miniaturization
- Selector switches with 1NO+1NC:
  41mm deep
  Pilot lights: 34mm deep
- The transformer now occupies far less space.



Illuminated pushbuttons


AF95-4

AR30E0L


AF95-6

AR30G3L

Pushbuttons


AF95-10

AR30E0R


AF95-12

AR30M0R

Pilot lights


AF95-18

DR30D0L

Selectors


AF95-13

AR30PR

Emergency stop pushbuttons


KKD06-348

AR30V0L

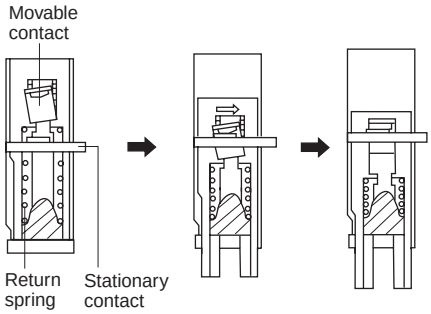

KKD08-051

AR30V0R


KKD06-052

AR30V1R

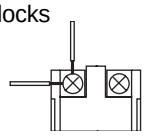
Self-cleaning contacts
All the contacts are double break type and feature self-cleaning action.
Every time the switch is operated, the contact surfaces are wiped with a sliding movement, thus ensuring high contact reliability even at low voltage and small current levels (5V, 5mA).



Metal nut
Safer model with metal nut is also available



Wiring
- Wiring from two directions is possible.
- Wiring in both vertical and lateral directions facilitates wiring in narrow spaces.
- Color coding of contact blocks makes wiring easy.
  1NO: Blue, 1NC: Red
  Lamp terminal and transformer unit: Black



Safety
- A terminal cover is provided, assuring safety and security.
- FUJI's original Trigger Action mechanism is used in the emergency stop pushbuttons. They are suitable for emergency stop and safety. This mechanism prevents the contacts from moving until the button is pushed and locked.

Protection
- Excellent oil-tight construction (IP65) of the operator.
- Closure of the contact block has been improved.

■ Approvals

For further information related to approved type, *see page 04/56 to 04/59.*

■ Pushbutton switches

Operator	Contact	Momentary action Type	Alternate action Type
Flush round head  AF95-11	1NO	**AR30F0R-10□**	**AR30F5R-10□**
	1NC	**AR30F0R-01□**	**AR30F5R-01□**
	1NO+1NC	**AR30F0R-11□**	**AR30F5R-11□**
	2NO	**AR30F0R-20□**	**AR30F5R-20□**
	2NC	**AR30F0R-02□**	**AR30F5R-02□**
	2NO+2NC	**AR30F0R-22□**	**AR30F5R-22□**
Extended round head  AF95-10	1NO	**AR30E0R-10□**	**AR30E5R-10□**
	1NC	**AR30E0R-01□**	**AR30E5R-01□**
	1NO+1NC	**AR30E0R-11□**	**AR30E5R-11□**
	2NO	**AR30E0R-20□**	**AR30E5R-20□**
	2NC	**AR30E0R-02□**	**AR30E5R-02□**
	2NO+2NC	**AR30E0R-22□**	**AR30E5R-22□**
Flush round head symbol mark type  AF98-195	1NO	**AR30FAR-10C■**	**AR30FBR-10C■**
	1NC	**AR30FAR-01C■**	**AR30FBR-01C■**
	1NO+1NC	**AR30FAR-11C■**	**AR30FBR-11C■**
	2NO	**AR30FAR-20C■**	**AR30FBR-20C■**
	2NC	**AR30FAR-02C■**	**AR30FBR-02C■**
	2NO+2NC	**AR30FAR-22C■**	**AR30FBR-22C■**
Extended round head symbol mark type  AF98-194	1NO	**AR30EAR-10C■**	**AR30EBR-10C■**
	1NC	**AR30EAR-01C■**	**AR30EBR-01C■**
	1NO+1NC	**AR30EAR-11C■**	**AR30EBR-11C■**
	2NO	**AR30EAR-20C■**	**AR30EBR-20C■**
	2NC	**AR30EAR-02C■**	**AR30EBR-02C■**
	2NO+2NC	**AR30EAR-22C■**	**AR30EBR-22C■**
Mushroom head (40mm dia.)  AF95-12	1NO	**AR30M0R-10□**	**AR30M5R-10□**
	1NC	**AR30M0R-01□**	**AR30M5R-01□**
	1NO+1NC	**AR30M0R-11□**	**AR30M5R-11□**
	2NO	**AR30M0R-20□**	**AR30M5R-20□**
	2NC	**AR30M0R-02□**	**AR30M5R-02□**
	2NO+2NC	**AR30M0R-22□**	**AR30M5R-22□**
Mushroom head (29mm dia.)  AF95-8	1NO	**AR30M4R-10□**	**—**
	1NC	**AR30M4R-01□**	**—**
	1NO+1NC	**AR30M4R-11□**	**—**
	2NO	**AR30M4R-20□**	**—**
	2NC	**AR30M4R-02□**	**—**
	2NO+2NC	**AR30M4R-22□**	**—**
Extended with full guard (24mm dia.)  AF95-16	1NO	**AR30G1R-10□**	**AR30G6R-10□**
	1NC	**AR30G1R-01□**	**AR30G6R-01□**
	1NO+1NC	**AR30G1R-11□**	**AR30G6R-11□**
	2NO	**AR30G1R-20□**	**AR30G6R-20□**
	2NC	**AR30G1R-02□**	**AR30G6R-02□**
	2NO+2NC	**AR30G1R-22□**	**AR30G8R-22□**

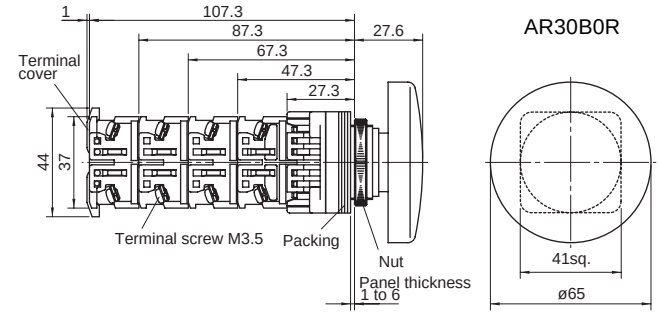
Note: ■ □ *See page 04/74*

Operator	Contact	Momentary action Type	Alternate action Type
Extended with half guard  AF95-9	1NO	**AR30G0R-10□**	**AR30G5R-10□**
	1NC	**AR30G0R-01□**	**AR30G5R-01□**
	1NO+1NC	**AR30G0R-11□**	**AR30G5R-11□**
	2NO	**AR30G0R-20□**	**AR30G5R-20□**
	2NC	**AR30G0R-02□**	**AR30G5R-02□**
	2NO+2NC	**AR30G0R-22□**	**AR30G5R-22□**
Pin lock  AF96-240	1NO	**AR30GPR-10□**	**—**
	1NC	**AR30GPR-01□**	**—**
	1NO+1NC	**AR30GPR-11□**	**—**
	2NO	**AR30GPR-20□**	**—**
	2NC	**AR30GPR-02□**	**—**
	2NO+2NC	**AR30GPR-22□**	**—**
Mushroom head with full guard (40mm dia.)  AF95-17	1NO	**AR30M3R-10□**	**AR30M8R-10□**
	1NC	**AR30M3R-01□**	**AR30M8R-01□**
	1NO+1NC	**AR30M3R-11□**	**AR30M8R-11□**
	2NO	**AR30M3R-20□**	**AR30M8R-20□**
	2NC	**AR30M3R-02□**	**AR30M8R-02□**
	2NO+2NC	**AR30M3R-22□**	**AR30M8R-22□**
Mushroom head with full guard (35mm dia. metal nut)  AF96-239	1NO	**AR30GSR-10□**	**—**
	1NC	**AR30GSR-01□**	**—**
	1NO+1NC	**AR30GSR-11□**	**—**
	2NO	**AR30GSR-20□**	**—**
	2NC	**AR30GSR-02□**	**—**
	2NO+2NC	**AR30GSR-22□**	**—**
Giant head  AF95-579	1NO	**AR30B0R-10□**	**—**
	1NC	**AR30B0R-01□**	**—**
	1NO+1NC	**AR30B0R-11□**	**—**
	2NO	**AR30B0R-20□**	**—**
	2NC	**AR30B0R-02□**	**—**
	2NO+2NC	**AR30B0R-22□**	**—**
Giant head with guard  AF95-582	1NO	**AR30B1R-10□**	**—**
	1NC	**AR30B1R-01□**	**—**
	1NO+1NC	**AR30B1R-11□**	**—**
	2NO	**AR30B1R-20□**	**—**
	2NC	**AR30B1R-02□**	**—**
	2NO+2NC	**AR30B1R-22□**	**—**
Giant head with full guard  AF95-580	1NO	**AR30B2R-10□**	**—**
	1NC	**AR30B2R-01□**	**—**
	1NO+1NC	**AR30B2R-11□**	**—**
	2NO	**AR30B2R-20□**	**—**
	2NC	**AR30B2R-02□**	**—**
	2NO+2NC	**AR30B2R-22□**	**—**

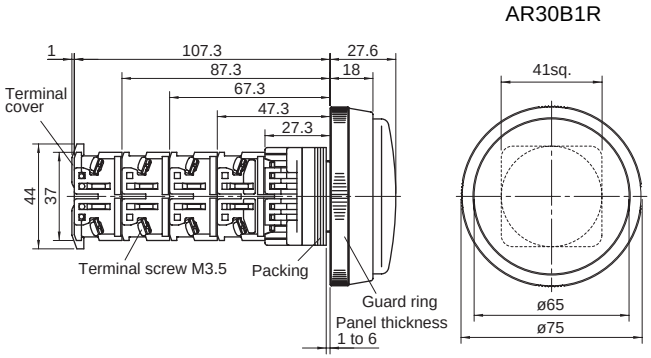
■ Dimensions, mm

● Pushbuttons

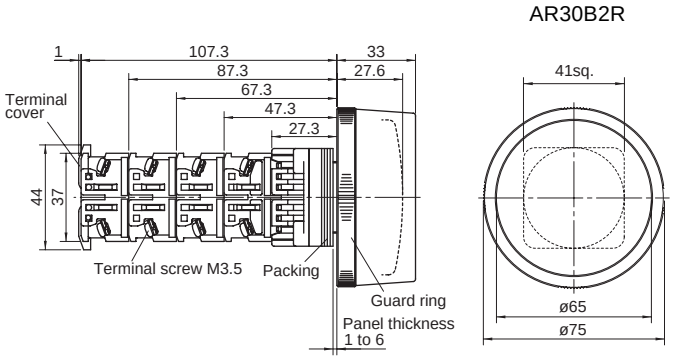
Giant



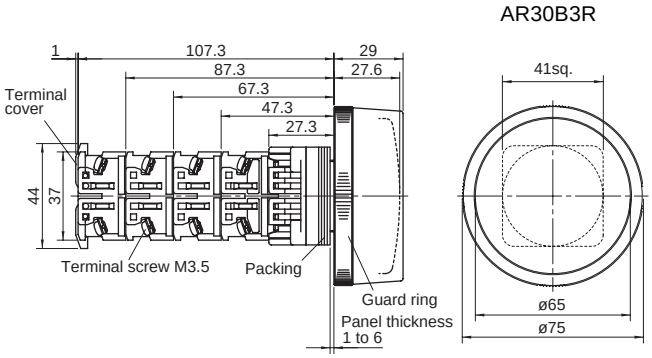
Giant with guard



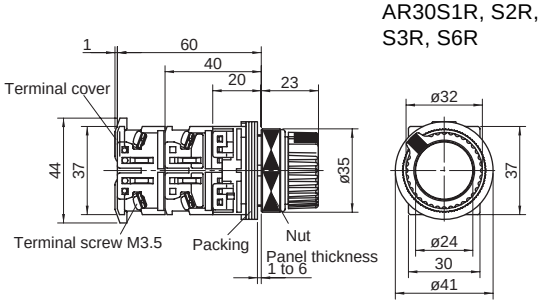
Giant with full guard



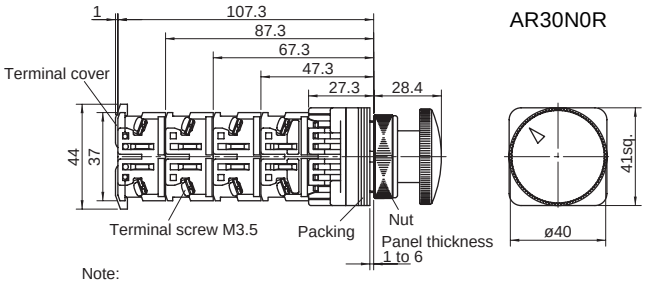
Giant with full guard



Pushbutton with selector ring (2-position)

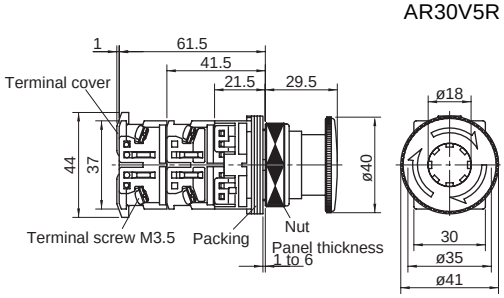


Push, turn-lock

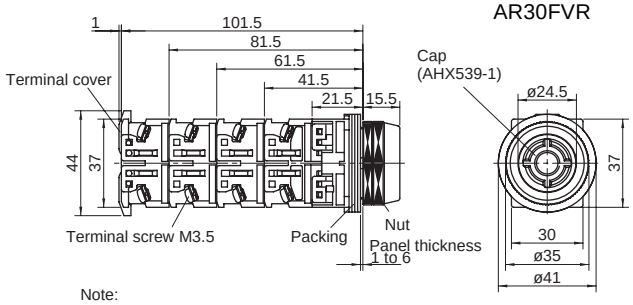


Note:
When the push button is pressed in the left position, it resets automatically (momentary operation).
When pressed and turned to the right it locks, and to the left it resets.

Push-lock, turn-reset (40mm dia. with white arrow)



Emergency operating cap



Note:
This is pushbutton switch is operated while holding the cap with the fingertips.
The cap (AHX539) can be exchanged.

Description	Type
Dust-proof cap for 30mm dia. types	

Type	Color	Used with	Spec.
AHX032	Red	AR30E0R	Oil-proof
AHX033	Green		
AHX034	Black		
AHX041	Red	AR30F0R	Oil-proof
AHX042	Green		
AHX043	Black		
AHX157-R	Red	AR30B2R,	Oil-proof
AHX157-G	Green	B3R	
AHX157-B	Black		
AHX113-R	Red	AR30E0R	Weather
AHX113-G	Green		resistance
AHX113-B	Black		
AHX111-R	Red	AR30F0R	Weather
AHX111-G	Green		resistance
AHX111-B	Black		



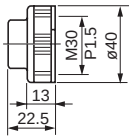
SC-993



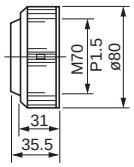
AF89-772

Dimensions, mm:

AHX032 to 034, 041 to 043
AHX111, 113



AHX157



Used for sealing the operator from foreign debris such as dust, oil (oil-proof), and water (weather resistance) in environments where the unit is in contact with such elements.

Packing	



AF94-462

AR9Y730:
AR22 and DR22 (Rubber)

Note: Except for joystick selector switches, buzzers

AHX282:
AR30 and DR30 (Resin-standerd)

Note: Except for DR30F4M, F4N, M4M, numerical indicators



KK2-125A

AHX149:
AR30 and DR30 (Rubber)

Note: Except for DR30F4M, F4N, M4M, numerical indicators

Description	Type
Terminal cover	



AF94-466



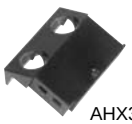
KK2-126A

Type	Used with	Dimensions, mm
AR9Y305	Contact unit Lamp terminal Transformer unit *1	18.4 x 29 x 8.4
DR9Y320	Pilot lights *2 (without transformer)	ø22 x 5.8
DR9Y321	DR30F4M, F4N, M4M (without transformer)	34 sq. x 8.7

*1 Applicable up to 220V.
*2 DR22D0L, E3L, K0L, F□M, E3M, E3N, E3P, DR30D0L, E3L, K0L

The terminal cover is provided as standard with the applicable types listed above. (Except for joy stick selector switches, numerical indicators, pilot lights with resistors, contact block alone and lamp terminal alone)

Terminal cover	



AHX305

SG-842



AHX426

AF92-339



AHX376

SG-5

Type	Used with	Dimensions, mm
AHX305	Buzzers (without transformer)	23.5 x 27.5 x 16
AHX426	DR30D1L (without transformer)	27.5 x 31 x 8
AHX376	DR30D1L (with transformer) Buzzers (B0 type) With transformer * With short-body transformer With resistor unit	13 x 29 x 6.5

* 230V and over

The terminal cover is provided as standard with the applicable types listed above.

04