Push Button: Metallic & Polycarbonate (22.5mm)

Global Certification

Integrated LED Pilot Lamp - Type of voltage AC/DC to be specified		
Description	Reference	
	Metallic	Polycarbonate
Integral LED pilot Lamp suitable for operating at common voltage AC/DC 110V, 48V, 24V & 12V Also available at operational voltage 240V AC, 220V DC, 110V AC, 110V DC	RCB7-IVL73▲●	-
	RCB7-IVL74▲●	-
	RCB7-IVL75▲●	-
	RCB7-IVL77▲○	-
	RCB7-IVL78▲●	-
	RCB7-IVL76▲●	-
	RCB7-IVL71▲	-
Wide range: 12V~240V AC/DC	RCB7-IVL73▲●	-
	RCB7-IVL74▲●	-
	RCB7-IVL75▲●	-
	RCB7-IVL77▲○	-
	RCB7-IVL78▲●	-
	RCB7-IVL76▲●	-
	RCB7-IVL71▲	-
LED Type Pilot Lamp Type of voltage AC / DC to be specified		
Pilot Light with integral circuit LED, suitable for operating at common Voltage AC/DC 110V, 48V, 24V &12V Also available at operational Voltage 240V AC, 220V DC 110V AC, 110V DC	RCB2-BVL73▲●	RCP2-BVL73▲●
	RCB2-BVL74▲●	RCP2-BVL74▲●
	RCB2-BVL75▲●	RCP2-BVL75▲●
	RCB-BVL77▲○	RCP2-BVL77▲○
	RCB2-BVL78▲●	RCP2-BWL71▲
	RCB2-BVL76▲●	RCP2-BWL78▲●
	RCB2-BVL71▲	RCP2-BWL76▲●

Voltage Code for Pilot Lamps

Voltage	12V*	24V*	48V*	110V*	110VAC	110VDC	125V*	220V*	220VDC	240VAC	415VAC

▲Add Voltage Code. *For AC/DC

Complete Pilot Light Bodies

Description	Reference	
	Metallic	Polycarbonate
Direct BA 9s Filament Bulb Supplied 12V, 24V, 48V, 110V, 130V AC/DC	RB2BV6*	-
Through Resistor BA 9s, 130 V Filament Bulb supplied 240V AC/DC	RB2BV7	-
Through Resistor & dIODE BA 9s, 130 V Filament Bulb supplied: 240V AC	RB2BVD7	-
Via intefral Transformer 1.2VA BA9s, 6v Filament Bulb Supplied 110V , 6V AC, 220V, 240V, 6V AC	RB2BV3	-
	RB2BV4	-
Integral Circuit & Cluster LED 12V, 24V, 48V AC/DC 110VAC, 110V DC, 220V DC, 240VAC	RB2BVL71	-
	RB2BVL73 ●	-
	RB2BVL74 ●	-
	RB2BVL75 ●	-
	RB2BVL76 ●	-
	RB2BVL77 ○	-
	RB2BVL78 ●	-

RCB7IVL-R SERIES

Main

Range of product	RCB7
Product or component type	Pilot light
Device short name	RCB7
Mounting diameter	22.5 mm
Sale per indivisible quantity	15
Shape of signaling unit head	Round
Light source	LED
Bulb base	LED
[Us] rated supply voltage	24VAC/DC , 110V AC, 240V AC, 110V DC, 220V DC, 63.5V AC/DC 110VAC/DC & 220V AC/DC
Cap/Operator or lens colour	1-White,3-Green,4-Red, 5-Amber 6-Blue,7-Clear & 8-Yellow

Complementary

Height	29 mm
Width	29 mm
Depth	54 mm
Terminal description ISO n°1	(X1-X2)PL
Product weight	0.02 kg
Device mounting	Fixing hole: Ø 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-5-1
Fixing center	>= 30 x 40 mm on support panel, metal, thickness: 1...6 mm >= 30 x 40 mm on support panel, plastic, thickness: 2...6 mm
Fixing mode	Fixing nut beneath head recommended torque: 2. 2.4 N.m
Connections - terminals	Screw clamp terminals : <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals : 1 x 0.22...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8.... 1.2 N.m conforming to EN 60947-1
Shape of screw head	Cross head compatible with JIS No 1 screwdriver Cross head compatible with Philips no 1 screwdriver Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with - at Ø 4 mm screwdriver Slotted head compatible with - at Ø 5.5 mm screwdriver
[Ui] rated insulation voltage	250 V (degree of pollution: 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Signalling type	Steady
Current consumption	Refer to page no. 2
Glow level	Refer to page no. 2
Service life	50000 h at rated voltage and 25 °C

Environment

Ambient air temperature for storage	-25...70 °C
Ambient air temperature for operation	-5...55 °C
Mechanical Robustness	Shock & Vibration resistance conforming to IEC 61373 :2010 Vibrations contactor open: 0.964 $(m/s^2)^2$ /Hz V* axis b/w 5 Hz and 20 Hz, 0.912 $(m/s^2)^2$ /Hz in T* axis b/w 5 Hz and 20 Hz, 0.461 $(m/s^2)^2$ /Hz in L* axis b/w 5 Hz and 20Hz Random type, 5 hours test Vibrations contactor closed: 0.0301 $(m/s^2)^2$ /Hz in V* axis b/w 5 Hz and 20 Hz, 0.0060 $(m/s^2)^2$ /Hz in T* axis b/w 5 Hz and 20 Hz, 0.0144 $(m/s^2)^2$ /Hz in L* axis b/w 5 Hz and 20 Hz Random type, ten minute test Shocks contactor open: 30m/s^2 in V* & T* axis, 50 m/s^2 in L* axis Half sine type, 30 ms pulse
Material	EN 45545 HL2 compliant Class R22 for Railway Application EN 45545 HL3 compliant Class R23 for Railway Application
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shock resistance	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

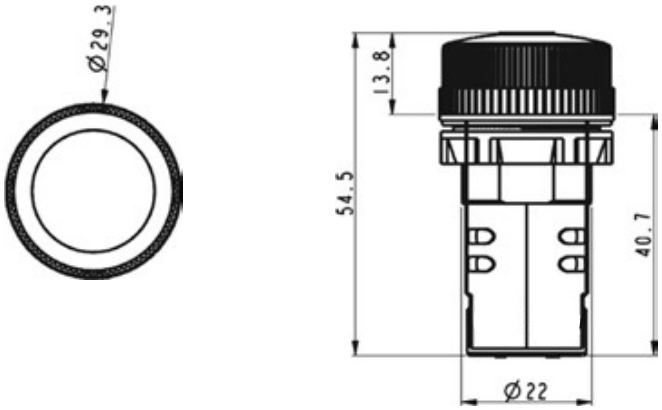
V* -- Vertical, T* -- Transverse, L* -- Longitudinal

- Coil inter- changeability with-in same frame will not affect any design change in contactor
- All type contactor (s) are suitable to work in temperature range -5°C to 70°C & relative humidity up to 98 %

Glow Level and Current Consumption

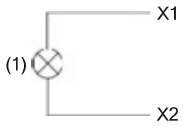
S. No.	VOLTAGE	PRODUCT	CURRENT in mA (MAX)	MINIMUM GLOW LEVEL(in LUX)						
				X=4 (RED)	X=8 (YELLOW)	X=6 (BLUE)	X=3 (GREEN)	X=5 (AMBER)	X=1 (WHITE)	X=7 (CLEAR)
1	24V AC/DC	RCB7IVL7X24V	25	120	100	180	150	140	100	100
2	110 V AC	RCB7IVL7X110 VAC	25	110	90	100	100	100	90	90
3	240V AC	RCB7IVL7X240VAC	20	120	90	150	120	120	90	90
4	110 V DC	RCB7IVL7X110 VDC	25	110	90	100	100	100	90	90
5	220V DC	RCB7IVL7X220VDC	7.5	90	80	80	90	80	80	80
6	63.5V AC/DC	RCB7IVL7X63.5V	13	200	180	200	250	200		
7	110 V AC/DC	RCB7IVL7X110 V	13	110	90	100	100	100	90	90
8	220V AC/DC	RCB7IVL7X220V	7.5	90	80	80	90	80	80	80

Dimensions



Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Wiring Diagram



(1) LED