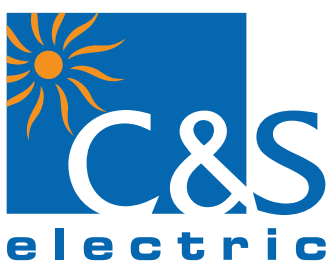


We touch
your **electricity**
everyday!

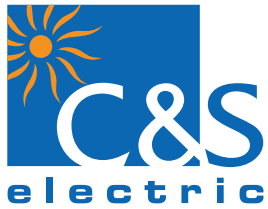


UL US LISTED SP CE RoHS Compliant



Control & Signalling Devices

- Pilot Lamps
- Push Buttons
- Control Stations



C&S Electric Ltd. is a leading manufacturer of electrical and electronic equipment in India. It is one of India's largest exporters of industrial switchgear & power busbar products. C&S Electric products are used in applications ranging from power generation, transmission and distribution, protection and final consumption.

C&S Electric has the following product verticals:

- LV Switchgear
- LV Switchboards
- LV & MV Busducts
- LV Bustrunking
- Protection and Measurement Devices

MANUFACTURING FACILITIES



C&S Controlgear Plant at Noida



C&S Switchgear Plant at Noida



World-Class Manufacturing Plants at SIDCUL, Haridwar

MARKET LEADER

C&S is one of the leading supplier in the LV Switchgear business segment and a market leader in the busbar business with more than 50% share in Indian market.

11 MANUFACTURING PLANTS

C&S Electric have 11 state-of-the-art manufacturing facilities in Noida, Haridwar & Guwahati, which are equipped with latest tools and systems to ensure highest level of quality and services.

600+ STOCKISTS

A dedicated network of channel partners, ensuring access to the farthest corners of India, with an obsession for customer services. In addition C&S products are available in 8000+ retail counters nationally.

EXPORTS TO OVER 85 COUNTRIES

C&S exports the entire range of products across all 7 continents, thus reaffirming its position as one of India's largest exporters of industrial electrical products.

5000+ WORKFORCE

5000+ Workforce including over 371 engineers, dedicated sales team of 424 people & millions of satisfied customers.

R&D

4 Govt. approved labs/centres, over 20,000 sqft. space dedicated to R&D, 70 R&D engineers, state of the art testing & design facilities ... & most of the all a passion for innovation & excellence.

CONTENTS

| | |
|--|-------------|
| Introduction | 5 |
| General Characteristics | 6 |
| Push Button - Metallic & Polycarbonate | 7-12 |
| - Push Button Actuators with Carrier - Non-Illuminated | |
| - Push Button Actuators with Carrier & Contact Element-Non-Illuminated | |
| - Push Button Actuators - Illuminated Flush without Series Resistor | |
| - Push Button Actuators - Illuminated Flush | |
| - LED Type Push Button Actuators - Illuminated Flush | |
| - Selector Switch Actuators with Carrier & Contact Element | |
| - Integrated LED Pilot Lamp | |
| - Push Buttons Additional Accessories | |
| - Flashing Buzzer | |
| - Contact Elements | |
| Control Stations - Assembled | 13 |

Quality Assurance



BSCIC
Certificate
ENVIRONMENTAL MANAGEMENT SYSTEM

This is to certify that:
C&S ELECTRIC LIMITED
C-58 & C-60 PHASE II, DIST. GAUTAM BUDDH NAGAR
NOIDA – 201 305, UTTAR PRADESH, INDIA

Sites as mentioned in the Appendix accompanying this certificate.

Whereby granted the Certificate number:
Subsequent to the Assessment of the organization, it has been found that the organization complies with the requirements of
ISO 14001:2015
For the following scope:
According to the Scope

Originally Registered:
Issue Date:
Expiry Date:

For
BSCIC CERTIFICATIONS PVT.LTD.

Sanjay Sethi
Managing Director

(In case of Surveillance Audit is Suspended/Withdrawn)
Please do not make this certificate valid as it is not valid. The Certificate of Registration is granted under the Registration from BSCIC Limited. Please do not make this certificate valid as it is not valid. The certificate of Registration contains the name of BSCIC Headquarters, Sector, 4th Floor, 80/1/1A, Noida.

Registered



BSCIC
Certificate
OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

This is to certify that:
C&S ELECTRIC LIMITED
C-58 & C-60 PHASE II, DIST. GAUTAM BUDDH NAGAR
NOIDA – 201 305, UTTAR PRADESH, INDIA

Sites as mentioned in the Appendix accompanying this certificate.

Certificate No: **BN20852/19718**

It has been found to be operating an Occupational Health & Safety Management System of
45001:2018
for the following scope:
As Stated in Appendix I

Surveillance Due on: 07-Dec-2022
Date: 06-Dec-2021 1st Surveillance Due on: 07-Dec-2022
Date: 06-Dec-2021 2nd Surveillance Due on: 07-Dec-2023
Date: 07-Dec-2024

Audit is not allowed to be conducted; this Certificate shall be suspended.

Version No. 1

BSCIC **JAS-ANZ** **IAF**

Page 1 of 2



DNV
MANAGEMENT SYSTEM
CERTIFICATE

Certificate No: 264881 2019 AQ-IND-UKAS
Initial certification date: 23 September 1994
Valid: 11 June 2021 – 18 June 2024

This is to certify that the management system of
C&S Electric Limited
C-58, Phase-II, Noida – 201 305, Uttar Pradesh, India
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
Design, development, manufacturing, marketing & servicing of contactors, motor starters, distribution board, push button, pilot lamp and control devices, overload relays and their accessories.

Price and date:
Standard, 17 September 2021

For Issuing Office:
DNV - Business Assurance
KEMA, No. 40, 60/1 Road, Ghaziabad, U.P. India - 201 016, India.

UKAS **IAF**

0013

Sanjay Sethi
Managing Director

Link of Evidence of Conformity as per ISO 9001:2015 in the Certification Agreement may contain the Certificate model.
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www.dnv.com



CERTIFIED COMPANY
ISO 14001:2015

ISO 9001:2015

CERTIFIED COMPANY
ISO 45001:2018

C&S offers a wide range of Indicating lights, Push Buttons and Selector Switches. The Control and Signaling devices are available in Metallic & Polycarbonate Series.

Push Buttons & Pilot Lamps

- Ø22.5 mm Push Buttons, Emergency Stop PB, Selector switch
Illuminated & Non Illuminated Actuators in Plastic & Metallic variants
- Pilot Lamps in LED / Filament / Neon types
- Push Button Stations 1/2/3/4 ways, IP65 / 166, NEMA-41/X protection
- High Mechanical and Electrical life
- Aesthetic and Elegant outlook
- Wide Range of colors | voltages available

Globally accepted



General Characteristics

| | |
|------------------------------|--|
| Products | Push Buttons, Selector Switches, Key Selector Switches, Latching Mushroom Head Push Buttons, Pilot Lights & Illuminated Push Buttons |
| Reference Standard | IEC 60947-5-1, EN 60947-5-1, UL 508, CSA C-22-2 n° 14 |
| Approval | cUL, UL, CSA, CE |
| Protection Degree | IP65 / IP66 according to IEC 60947-1; |
| Pollution Degree | 3 |
| Temperature | -40°C ~ +70°C (Storage) -25°C ~ +70°C (Working) |
| Vibration Resistance | ∅ 60mm Mushroom Head Push Buttons: 8g, Other Push Buttons & Pilot Lights: 15g (40Hz<frequency<500 Hz) conforming to IEC 68-2-6 |
| Shock Resistance | Push Buttons: 70g, Mushroom Head Push Buttons: 15g, Selector Switches: 200g conforming to IEC 68-2-27 |
| Working Position | All working positions are allowed |
| Mechanical Life Push Buttons | Push Buttons & Selector Switches 1 million operations, Latching Emergency Mushroom 300,000 operations |

Contact Elements Characteristics

| | |
|--------------------------------|--|
| Rated Thermal Current I_{th} | 10A |
| Rated Insulation Voltage U_i | 500V conforming to IEC 60947-1, UL 508 & CSA 22-2 n° 14 |
| Insulation Category | Group C conforming to NF C 20-040, VDE 0110 |
| Operating Force | Push Buttons - 1 'NO' = 10N, 1 'NC' = 8N Additional contacts - 'NO' = +5N, 'NC' = +3N |
| Dielectric Strength | 2.5KV for 1 minute |
| Insulation Resistance | 2M Ohm min (500 VDC) |
| Initial Contact Resistance | <25 milli Ohm |
| Short Circuits Protection | 10A 500V, Cartridge Fuse g1 or N conforming to IEC 337-1 |
| Cabling/Terminal Capacity | 1x0.5mm ² 2x1.5mm ² |
| Contact Operation | Slow action, Positive Opening |
| Rated Power | Conforming to IEC 60947-5-1; utilization categories AC 15 & DC 13 |

DC Supply

Power broken in W
For 1 million operations

| Voltage | 24V | 48V | 120V |
|----------------|-----|-----|------|
| Inductive Load | 65W | 48W | 40W |

AC Ratings, Inductive - NEMA A600

35% Power Factor

| Voltage | Make (A) | VA | Break (A) | VA | Continuous carrying (A) | Resistive 75% Power factor Make, Break & continuous (A) |
|---------|----------|------|-----------|-----|-------------------------|---|
| 120 | 60 | 7200 | 6 | 720 | 10 | 10 |
| 240 | 30 | 7200 | 3 | 720 | 10 | 10 |
| 480 | 15 | 7200 | 1.5 | 720 | 10 | 10 |
| 600 | 12 | 7200 | 1.2 | 720 | 10 | 10 |

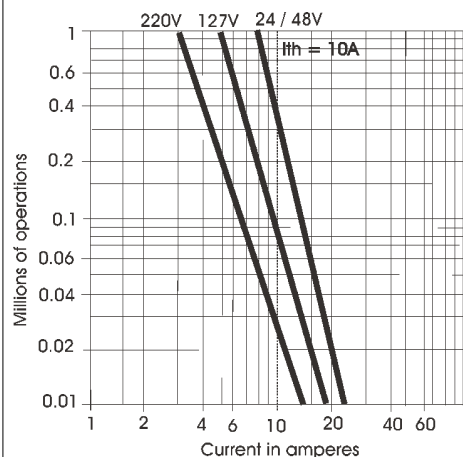
DC Ratings, NEMA Q600

Inductive and resistive

| Voltage | Make & Break (Amp.) | Continuous (Amp.) |
|---------|---------------------|-------------------|
| 125 | 0.55 | 2.5 |
| 250 | 0.27 | 2.5 |
| 600 | 0.10 | 2.5 |

Standard Contact Blocks

AC Supply (50/60HZ)
∞m Inductive



Push Button: Metallic & Polycarbonate (22.5mm)

Global Certification



Push Button Actuators with Carrier - Non-Illuminated

| Description | Reference | |
|---|---|---------------|
| | Metallic | Polycarbonate |
| Push Spring Return Push Button | RCB2-BA1○ | RCP2-BA1○ |
| | RCB2-BA2● | RCP2-BA2● |
| | RCB2-BA3● | RCP2-BA3● |
| | RCB2-BA4● | RCP2-BA4● |
| | RCB2-BA5● | RCP2-BA5● |
| | RCB2-BA6● | RCP2-BA6● |
| Flush Spring Return Push Button with contact | - | RCP2BA33● |
| | - | RCP2BA35● |
| Projecting Push Button | RCB2-BL1○ | RCP2-BL1○ |
| | RCB2-BL2● | RCP2-BL2● |
| | RCB2-BL3● | RCP2-BL3● |
| | RCB2-BL4● | RCP2-BL4● |
| | RCB2-BL5● | RCP2-BL5● |
| | RCB2-BL6● | RCP2-BL6● |
| Mushroom Head Push Button, Spring Return | RCB2-BC2● | RCP2-BC2● |
| | RCB2-BC3● | RCP2-BC3● |
| | RCB2-BC4● | RCP2-BC4● |
| | RCB2-BC5● | RCP2-BC5● |
| | RCB2-BC6● | RCP2-BC6● |
| | Mushroom Head Push Button, Spring Return with contact | - |
| - | | RCP2-BC31● |
| - | | RCP2-BC42● |
| - | | RCP2-BC51● |
| - | | RCP2-BC61● |
| Mushroom Head Push \varnothing 40mm Button Stay Put (press to \varnothing 60mm lock, turn to release) | RCB2-BS54● | RCP2BS54 ● |
| | RCB2-BS64● | RCP2BS64 ● |
| Mushroom Head Push Button, Push to Stay & Key to release | RCB2-BS14● | RCP2BS14 ● |
| Push Button Stay Put \varnothing 30mm (Press to Lock turn to release) | RCB2-BS44● | RCP2BS44 ● |

Push Button Actuators with Carrier & Contact Element-Non-Illuminated

| | | |
|--|------------|------------|
| Flush Spring Return Push Button with 1NO Block | RCB2-BA11○ | RCP2-BA11○ |
| | RCB2-BA21● | RCP2-BA21● |
| | RCB2-BA31● | RCP2-BA31● |
| | RCB2-BA51● | RCP2-BA51● |
| | RCB2-BA61● | RCP2-BA61● |
| | RCB2-BA41● | RCP2-BA41● |
| Push Button with 1NC Block | RCB2-BA42● | RCP2-BA42● |
| Projecting Head Push Button with 1NO Block | RCB2-BA11○ | RCP2-BL11○ |
| | RCB2-BA21● | RCP2-BL21● |
| | RCB2-BA31● | RCP2-BL31● |
| | RCB2-BA51● | RCP2-BL51● |
| | RCB2-BA61● | RCP2-BL61● |
| Projecting PB with 1NC Block | RCB2-BA41● | RCP2-BL42● |

Push Button: Metallic & Polycarbonate (22.5mm)



Push Button Actuators - Illuminated Flush without Series Resistor

| Description | Reference | |
|---|---------------|---------------|
| | Metallic | Polycarbonate |
| Illuminated Actuator, Flush (With BA9 Filament Bulb) 12V, 24V, 48V, 110V AC / DC | RCB2-BW316▲○ | RCP2-BW316▲○ |
| | RCB2-BW336▲● | RCP2-BW336▲● |
| | RCB2-BW346▲● | RCP2-BW346▲● |
| | RCB2-BW356▲● | RCP2-BW356▲● |
| | RCB2-BW366▲● | RCP2-BW366▲● |
| Illuminated Actuator, Flush (With BA9 Neon Bulb) 220V, 380V, 415V AC / DC | RCB2-BW376s▲○ | RCP2-BW376▲○ |
| | RCB2-BWN336▲● | RCP2-WN336▲● |
| | RCB2-BWN346▲● | RCP2-WN346▲● |
| | RCB2-BWN356▲● | RCP2-WN356▲● |



Push Button Actuators - Illuminated Flush

| | | |
|--|--------------|--------------|
| Illuminated Actuator, Flush (with BA9S Filament Bulb, 130V) 220V AC/DC | RCB2-BW317▲○ | RCP2BW317▲○ |
| | RCB2-BW337▲● | RCP2-BW337▲● |
| | RCB2-BW347▲● | RCP2-BW347▲● |
| | RCB2-BW357▲● | RCP2-BW357▲● |
| | RCB2-BW367▲● | RCP2-BW367▲● |
| | RCB2-BW377▲○ | RCP2-BW377▲○ |



LED Type Push Button Actuators - Illuminated Flush

| | | |
|--|---------------|---------------|
| Flush Illuminated with Integral Circuit LED suitable for operating at 240V 220V, 110V, 48V, 24V & 12V | RCB2-BWL337▲● | RCP2-BWL337▲● |
| | RCB2-BWL347▲● | RCP2-BWL347▲● |
| | RCB2-BWL357▲● | RCP2-BWL357▲● |
| Flush Illuminated With Integral Circuit LED suitable for operating at 240V 220V, 110V, 48V, 24V & 12V | RCB2-BWL317▲○ | RCP2-BWL317▲○ |
| Flush Illuminated Actuator, with integral circuit LED, suitable for operating at common voltage AC/DC 220V, 110V, 48V, 24V & 12V Also available at operational voltage 240V AC, 220VDC, 110V AC, 110V DC | RCB2-BWL377▲● | RCP2-BWL377▲● |
| | RCB2-BWL387▲● | RCP2-BWL387▲● |
| | RCB2-BWL367▲● | RCP2-BWL367▲● |



Push Button Actuator-Illuminated Projecting without Series Resistor

| | | |
|---|---------------|---------------|
| Illuminated Actuator, Flush (With BA9 Filament Bulb) 12V, 24V, 48V, 110V AC / DC | RCB2-BW116▲○ | RCP2-BW116▲○ |
| | RCB2-BW136▲● | RCP2-BW136▲● |
| | RCB2-BW146▲● | RCP2-BW146▲● |
| | RCB2-BW156▲● | RCP2-BW156▲● |
| Illuminated Actuator, Flush (With BA9 Neon Bulb) 220V, 380V, 415V AC / DC | RCB2-BW166▲● | RCP2-BW166▲● |
| | RCB2-BW176▲○ | RCP2-BW176▲○ |
| | RCB2-BWN136▲● | RCP2-BWN136▲● |
| | RCB2-BWN146▲● | RCP2-BWN146▲● |
| | RCB2-BWN156▲● | RCP2-BWN156▲● |



Push Button Actuator-Illuminated Projecting without Series Resistor

| | | |
|---|--------------|--------------|
| Illuminated Actuator, Projecting (with BA9S Filament Bulb, 130V) 220V AC/DC | RCB2-BW117▲○ | RCP2-BW117▲○ |
| | RCB2-BW137▲● | RCP2-BW137▲● |
| | RCB2-BW147▲● | RCP2-BW147▲● |
| | RCB2-BW157▲● | RCP2-BW157▲● |
| | RCB2-BW167▲● | RCP2-BW167▲● |
| | RCB2-BW177▲○ | RCP2-BW177▲○ |
| | - | RCP2-BW187▲● |



Push Button: Metallic & Polycarbonate (22.5mm)

Global Certification |



LED Type Push Button Actuators-Illuminated Projecting Type of voltage AC/DC to be specified

| Description | Reference | |
|---|---------------|---------------|
| | Metallic | Polycarbonate |
| Projecting Illuminated Actuator, with integral 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 | - | RCP2-BWL117▲○ |
| | RCB2-BWL137▲● | RCP2-BWL137▲● |
| | RCB2-BWL147▲● | RCP2-BWL147▲● |
| | RCB2-BWL157▲● | RCP2-BWL157▲● |
| | - | RCP2-BWL177▲○ |
| | - | RCP2-BWL187▲● |
| | RCB2-BWL167▲● | RCP2-BWL167▲● |

Colour Code for Actuator / Lens

| Colour Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------------|-------|-------|-------|-----|--------|------|-------|
| Colour of Actuator | White | Black | Green | Red | Yellow | Blue | - |
| Colour of Lens | White | - | Green | Red | Amber | Blue | Clear |

▲Add Voltage Code, ❖ Operating voltage available in 240V AC, 110V & 220V DC

Selector Switch

| Description | Reference | |
|--|-----------|---------------|
| | Metallic | Polycarbonate |
| 2-Position Selector Switch (stay put) | RCB2-BD2 | RCP2-BD2 |
| 3-Position Selector Switch,centre 'OFF' (stay put) | RCB2-BD3 | RCP2-BD3 |
| 2-Position Selector Switch with extra long knob (stay put) | RCB2-BJ2 | RCP2-BJ2 |
| 3-Position Selector Switch, with extra long knob centre 'OFF' (stay put) | RCB2-BJ3 | RCP2-BJ3 |
| 3-Position Selector Switch (Spring Return) | RCB2-BDR2 | - |
| 2-Position Selector Switch-extra long knob (Spring Return) | RCB2-BDR3 | RCP2-BDR3 |
| 3-Position Selector Switch extra long knob (Spring Return) | RCB2-BJR2 | - |
| | RCB2-BJR3 | RCP2-BJR3 |

Selector Switch Actuators with Carrier & Contact Element

| | | |
|--|-----------|-----------|
| 2-Position Selector Switch (stay put) with 1NO Block | RCB2-BD21 | RCP2-BD21 |
| 2-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block | RCB2-BD25 | RCP2-BD25 |
| 3-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block | RCP2-BD35 | RCP2-BD35 |

Key Actuators with Carrier

| | | |
|--|-----------|-----------|
| 2-Position Key Switch, Key removable in unactuated position | RCB2-BG2 | RCP2-BG2 |
| 2-Position Key Switch, Key removable in both position | RCB2-BG4 | RCP2-BG4 |
| 2-Position Key Switch, Key removable in 'Right Hand' position | RCB2-BG02 | RCP2-BG02 |
| 2-Position (Spring Return) Key Switch,Key, removable in 'Left Hand' position | RCB2-BG3 | - |
| 3-Position Key Switch, Key removable in centre 'OFF' position | RCB2-BG0 | RCP2-BG3 |
| 3-Position Key Switch, Key removable in all position | RCB2-BG5 | RCP2-BG0 |
| 3-Position Key Switch, Key removable in 'Left Hand & Right Hand' position | RCB2-BG9 | RCP2-BG5 |
| 3-Position Key Switch, Key removable in 'Left Hand' position | RCB2-BG09 | RCP2-BG9 |
| 3-Position Key Switch, Key removable in 'Right Hand' position | RCB2-BG7 | RCP2-BG7 |





Selector Switch Actuators - Illuminated with series resistor

| Description | Reference | |
|--|----------------|---------------|
| | Metallic | Polycarbonate |
| 2-Position Illuminated Selector Switch (with BA9S Filament Bulb 130V) suitable for operation at 220V AC/DC | RCB2-BK1237 ▲● | - |
| | RCB2-BK1247 ▲● | - |
| | RCB2-BK1257 ▲● | - |
| 3-Position Illuminated Selector Switch (with BA9S Filament Bulb 130V) suitable for operation at 220V AC/DC | RCB2-BK1337 ▲● | - |
| | RCB2-BK1347 ▲● | - |
| | RCB2-BK1357 ▲● | - |

Selector Switch Actuators - Illuminated without series resistor

| | | |
|--|-----------------|---|
| 2-Position Illuminated Selector Switch (with BA9S Filament Bulb) 12V, 24V, 48V, 110V AC/DC, 220V DC, 240V AC | RCB2-BK1256 ▲● | - |
| 3-Position Illuminated Selector Switch (with BA9S Filament Bulb) 12V, 24V, 48V, 110V AC/DC, 220V DC, 240V AC | RCB2-BK1336 ▲● | - |
| | RCB2-BK1346 ▲● | - |
| | RCB2-BK1356 ▲● | - |
| 2-Position Illuminated Selector Switch (with LED Bulb) suitable for operation at 12V, 24V, 48V, 110V AC/DC, 220V DC, 240V AC | RCB2-BKL1237 ▲● | - |
| | RCB2-BKL1247 ▲● | - |
| | RCB2-BKL1257 ▲● | - |
| 3-Position Illuminated Selector Switch (with LED Bulb) suitable for operation at 12V, 24V, 48V, 110V AC/DC, 220V DC, 240V AC | RCB2-BKL1337 ▲● | - |
| | RCB2-BKL1347 ▲● | - |
| | RCB2-BKL1357 ▲● | - |

Double Push Button Actuators - Illuminated Flush without Series Resistor

| | |
|---|---------------|
| Illuminated Double Push Button, Flush Green & Red Knob marked I&O respectively (with BA9S Neon Bulb) 220V, 380V, 415V AC/DC | RCB2-BWN96 ▲● |
|---|---------------|

Push Button Actuators with Carrier - Non-Illuminated

| | |
|--|-----------|
| Double Push Button, Flush Green & Red Knob marked I&O respectively | RCB2-BA87 |
|--|-----------|

Pilot Lamps with Series Resistor

| Description | Reference | |
|--|--------------|---------------|
| | Metallic | Polycarbonate |
| Pilot Lamp (with BA9S Filament Bulb 130V) 220V AC / DC | RCB2-BV71 ▲● | RCP2-BV71 ▲● |
| | RCB2-BV73 ▲● | RCP2-BV73 ▲● |
| | RCB2-BV74 ▲● | RCP2-BV74 ▲● |
| | RCB2-BV75 ▲● | RCP2-BV75 ▲● |
| | RCB2-BV76 ▲● | RCP2-BV76 ▲● |
| | RCB2-BV77 ▲○ | RCP2-BV77 ▲○ |

Pilot Lamps with Series Resistor & Diode

| | | |
|--|---------------|---------------|
| Pilot Lamp (with BA9S Filament bulb 130V) 220V AC/DC | RCB2-BVD71 ● | RCP2 BVD71 ▲● |
| | RCB2-BVD73 ▲● | RCP2-BVD73 ▲● |
| | RCB2-BVD74 ▲● | RCP2-BVD74 ▲● |
| | RCB2-BVD75 ▲● | RCP2-BVD75 ▲● |
| | RCB2-BVD76 ▲● | RCP2-BVD76 ▲● |
| | RCB2-BVD77 ▲○ | RCP2-BVD77 ▲○ |

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▲● |
| | RCB2-BVL77▲○ | RCP2-BVL77▲○ |
| | RCB2-BVL78▲● | RCP2-BVL78▲● |
| | RCB2-BVL76▲● | RCP2-BVL76▲● |
| | RCB2-BVL71▲● | RCP2-BVL71▲● |



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 integral 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 ● | - |









Push Button: Metallic & Polycarbonate (22.5mm)


Global Certification     



Push Buttons Additional Accessories

| Description | Reference | |
|--|-----------|--|
| | Metallic | Polycarbonate |
| Reset Extended Actuator Push button - Round Type | RCB2AL8R | - |
| Reset Extended Actuator Push button - Hex Type | RCB2AL8H | - |
| Plastic Adopter for 30 mm hole to 22.5 mm. | - | RP2-BZ41M |
| Metal Adopter for 30 mm hole to 22.5 mm | RB2-BZ41M | - |
| Recess (Guarded) Push button - Plastic | - | RP2-BA16  |
| | - | RP2-BA26  |
| | - | RP2-BA36  |
| | - | RP2-BA46  |
| | - | RP2-BA56  |
| | - | RP2-BA66  |

Flashing Buzzer

| | | |
|---|---|--|
| Intermittent Sounding Flashing Buzzer 15 ~ 20 mA, sound level 80 dB.24V, 48V, 110V AC/DC 240V AC (* Add Voltage code) | RB2-KS*  | |
|---|---|--|

Contact Elements - NO/NC (Non UL)

| | |
|----------------------|------------|
| Contact Element 1 NO | RE2-BE-101 |
| Contact Element 1 NC | RE2-BE-102 |

Contact Elements - NO/NC (UL)

| | |
|----------------------|------------|
| Contact Element 1 NO | RB2-BE-101 |
| Contact Element 1 NC | RB2-BE-102 |

Push Buttons - Add on Block Option (Polycarbonate)

| Description | Aux. Contacts | Reference |
|--------------------------------|---------------|------------|
| Max. Aux Contacts (6NO or 6NC) | NO | RB2-BE-101 |
| | NC | RB2-BE-102 |

Push Buttons - Add on Block Option (Metallic)

| Description | Aux. Contacts | Reference |
|--------------------|---------------|-----------|
| 1NO+1NO or 1NC+1NC | NO | RB2-BZ101 |
| | NC | RB2-BZ102 |
| | 1NO+1NO | RB2-BZ103 |
| | 1NC+1NC | RB2-BZ104 |
| | 1NO+1NC | RB2-BZ105 |

NOTE: At any point of time, the max Aux contacts available for Polycarbonate series is 6NO or 6NC and for Metallic Series it is 1NO+1NO or 1NC+1NC

HOW TO ORDER:

1. Actuators, switch elements, lens assemblies can be ordered separately or in combination.
2. Basic type designation for actuators is "RB2-B". Numerical colour code is added as a suffix to indicate the colour of the actuator or lens. Remove "*" and put numerical code as indicated below:

| Colour Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------------|-------|-------|-------|-----|--------|------|-------|
| Colour of Actuator | White | Black | Green | Red | Yellow | Blue | - |
| Colour of Lens | White | - | Green | Red | Amber | Blue | Clear |

3. Different suffixes are assigned for flush, projecting, selector actuators etc.
4. The type designation for contact element is '1' for NO and '2' for NC.
5. Basic type designation for legend plates is "RB2-BY". To complete code with type of inscription please remove "*" and put numerical code as indicated below.

Control Stations - Assembled



Complete Control Stations - Start and Stop Functions Metal & Plastic, Spring Return

| Description | Scheme | Colour | Marking on legend | Reference | |
|--------------------------|--------|--------|-------------------|------------|---------------|
| | | | | Metallic | Polycarbonate |
| 1 Flush Push Button | NO | 3 | I START | RC1M 102 | RC1P 102 |
| | | | | RC1M 103 | RC1P 103 |
| 1 Flush Push Button | NC | 4 | O STOP | RC1M 112 | RC1P 112 |
| | | | | RC1M 114 | RC1P 114 |
| Latching Push Button | NC | 4 | STOP | RC 1MBS542 | RC 1PBS542 |
| Mushroom Head Key Switch | NC | 4 | STOP | - | RC 1PBS142 |
| | | | | - | RC 1PYBS142 |
| 2 Flush Push Button | NO+NC | 3 | I | RC2M 213 | RC2P 213 |
| | | 4 | O | | |
| 2 Flush Push Button | NO+NC | 3 | START | RC2M 215 | RC2P 215 |
| | | 4 | STOP | | |

Complete Control Stations Directional/Movement Control Functions Metal & Plastic, Spring Return

| Description | Scheme | Colour | Marking on legend | Reference | |
|---------------------|--------------|--------|-------------------------|------------|---------------|
| | | | | Metallic | Polycarbonate |
| 2 Flush Push Button | NO+NO | 1 | ↕ | RC 2M 222 | RC2P222 |
| | | 2 | Up Down | RC 2M 222A | RC2P222A |
| | | 1 | ↔ | RC 2M 223 | RC2P223 |
| | | 2 | | Right Left | RC 2M 223A |
| | | 1 | Open Close | RC 2M 241 | RC2P241 |
| | | 2 | Forward Reverse | RC2M222B | RC 2P 222B |
| 3 Flush Push Button | NO+NC +NO | 3 | Forward Stop Reverse | RC 3M 311 | RC3P311 |
| | | 4 | Up Stop Down | RC 3M 321 | RC3P321 |
| | | 3 | Right Stop Left | RC 3M 331 | RC3P331 |
| | | | Open Stop Close | RC 3M 341 | RC3P341 |
| | | 1 | ↕ | RC 3M 324 | RC3P324 |
| | | 4 | | RC 3M 334 | RC3P334 |

Control Stations for Customer Assembly Empty Enclosure, Metal & Plastic

| Description | | Number of Ways | Reference | |
|-------------|-----------|----------------|-----------|---------------|
| Top | Base | | Metallic | Polycarbonate |
| Yellow | | 1 | - | RC - 1PY |
| Bone Grey | Jet Black | 1 | RC - 1M | RC - 1P |
| | | 2 | RC - 2M | RC - 2P |
| | | 3 | RC - 3M | RC - 3P |
| | | 4 | RC - 4M* | RC - 4P |

* Empty Enclosure's are available without contact blocks and push buttons and can be assembled with the accessories / spare parts as per specified requirements.

Contact Blocks - Base Mounted For Control Stations Customer Assembly

| Description | Reference |
|--------------------|-----------------------------|
| Contact Block (NO) | RB2BE-101B M RB2BE-101BP |
| Slow Break (NC) | RB2BE-102B M RB2BE-102BP |

RB2BE101-R

Single contact block with 1NO



Main

| | |
|-----------------------------|--|
| Range of product | RB2 Contact block |
| Product or component type | Complete body/contact assembly |
| Contact type or composition | 1 NO |
| Mounting diameter | 22.5 mm |
| Contacts operation | Slow-break |
| Contact block type | Single |
| Connections - terminals | Screw clamp terminals : $\leq 2 \times 1.5 \text{ mm}^2$ |

Complementary

| | |
|---|--|
| Height | 40 mm |
| Width | 30 mm |
| Depth | 43 mm |
| Terminals description ISO n°1 | (3-4) NO |
| Product weight | 0.034 kg |
| Mechanical durability | 1000000 cycles |
| Tightening torque | 0.8. 1.2 N.m conforming to EN 60947-1 |
| Shape of screw head | Cross head compatible with Philips no 1 screwdriver Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with \bullet at $\varnothing 4$ mm screwdriver Slotted head compatible with \bullet at $\varnothing 5.5$ mm screwdriver |
| Contacts material | Silver alloy |
| Short circuit protection | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1 |
| [Ith] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN 60947-1 |
| [Ie] rated operational current | 0.1 A at 600 V DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V AC-15, A600 conforming to EN/IEC 60947-5-1 3 A at 240 V AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V AC-15, A600 conforming to EN/IEC 60947-5-1 |

Environment

| | |
|---------------------------------------|-------------|
| Ambient air temperature for storage | -25...70 °C |
| Ambient air temperature for operation | -5...55 °C |

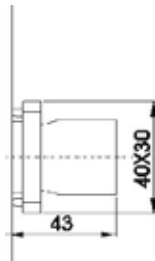
| | |
|-----------------------|--|
| Mechanical Robustness | <p>Shock & Vibration resistance conforming to IEC 61373 :2010</p> <p>Vibrations contactor open:</p> <p>0.964 (m/s²)² /Hz V* axis b/w 5 Hz and 20 Hz, 0.912 (m/s²)² /Hz in T* axis b/w 5 Hz and 20 Hz, 0.461 (m/s²)² /Hz in L* axis b/w 5 Hz and 20Hz</p> <p>Random type, 5 hours test</p> <p>Vibrations contactor closed:</p> <p>0.0301 (m/s²)² /Hz in V* axis b/w 5 Hz and 20 Hz, 0.0060 (m/s²)² /Hz in T* axis b/w 5 Hz and 20 Hz, 0.0144 (m/s²)² /Hz in L* axis b/w 5 Hz and 20 Hz</p> <p>Random type, ten minute test</p> <p>Shocks contactor open:</p> <p>30m/s² in V* & T* axis, 50 m/s² in L* axis Half sine type, 30 ms pulse</p> |
| Material | EN 45545 HL2 compliant Class R22 for Railway Application |
| Standards | <p>CSA C22.2 No 14</p> <p>EN/IEC 60947-5-1</p> <p>EN/IEC 60947-1</p> <p>UL 508</p> |

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

Dimensions

in mm



RB2BE102-R

Single contact block with 1NC



Main

| | |
|-----------------------------|--|
| Range of product | RB2 Contact block |
| Product or component type | Complete body/contact assembly |
| Contact type or composition | 1 NC |
| Mounting diameter | 22.5 mm |
| Contacts operation | Slow-break |
| Contact block type | Single |
| Connections - terminals | Screw clamp terminals : <= 2 x 1.5 mm ² |

Complementary

| | |
|--|--|
| Height | 40 mm |
| Width | 30 mm |
| Depth | 43 mm |
| Terminals description ISO n°1 | (1-2)NC |
| Product weight | 0.034 kg |
| Mechanical durability | 1000000 cycles |
| Tightening torque | 0.8. 1.2 N.m conforming to EN 60947-1 |
| Shape of screw head | 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 |
| Contacts material | Silver alloy |
| Short circuit protection | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1 |
| [I _{th}] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1 |
| [U _{imp}] rated impulse withstand voltage | 6 kV conforming to EN 60947-1 |
| [I _e] rated operational current | 0.1 A at 600 V DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V AC-15, A600 conforming to EN/IEC 60947-5-1 3 A at 240 V AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V AC-15, A600 conforming to EN/IEC 60947-5-1 |

Environment

| | |
|---------------------------------------|-------------|
| Ambient air temperature for storage | -25...70 °C |
| Ambient air temperature for operation | -5...55 °C |

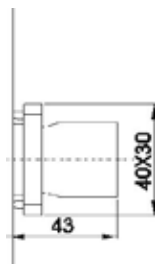
| | |
|-----------------------|--|
| Mechanical Robustness | <p>Shock & Vibration resistance conforming to IEC 61373 :2010</p> <p>Vibrations contactor open:</p> <p>0.964 (m/s²)² /Hz V* axis b/w 5 Hz and 20 Hz, 0.912 (m/s²)² /Hz in T* axis b/w 5 Hz and 20 Hz, 0.461 (m/s²)² /Hz in L* axis b/w 5 Hz and 20Hz</p> <p>Random type, 5 hours test</p> <p>Vibrations contactor closed:</p> <p>0.0301 (m/s²)² /Hz in V* axis b/w 5 Hz and 20 Hz, 0.0060 (m/s²)² /Hz in T* axis b/w 5 Hz and 20 Hz, 0.0144 (m/s²)² /Hz in L* axis b/w 5 Hz and 20 Hz</p> <p>Random type, ten minute test</p> <p>Shocks contactor open:</p> <p>30m/s² in V* & T* axis, 50 m/s² in L* axis Half sine type, 30 ms pulse</p> |
| Material | EN 45545 HL2 compliant Class R22 for Railway Application |
| Standards | <p>CSA C22.2 No 14</p> <p>EN/IEC 60947-5-1</p> <p>EN/IEC 60947-1</p> <p>UL 508</p> |

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 %

Dimensions

in mm



RCB2-BA-R Series Flush Type spring return Push Button Non-Illuminated



Main

| | |
|------------------------------|---|
| Range of product | RCB2 Push Button |
| Product or component type | Complete push button |
| Bezel material | Zamak |
| Fixing collar material | Zamak |
| Mounting diameter | 22.5 mm |
| Shape of signaling unit head | Round |
| Type of operator | Spring return |
| Operator profile | Push unmarked |
| Head type | Standard |
| Connection-terminals | Screw clamp terminals : $\leq 2 \times 1.5$ sq mm |
| Operator profile colour | 1.White 2.Black 3.Green 4.Red 5.Yellow 6.Blue |

Complementary

| | |
|-----------------------|---|
| Height | 40 mm |
| Width | 30 mm |
| Depth | 30 mm |
| Product weight | 0.063kg |
| Mechanical durability | 1000000 cycles |
| Tightening torque | 0.8. 1.2 N.m conforming to EN 60947-1 |
| Shape of screw head | Cross head compatible with Philips no 1 screwdriver Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with \cdot at \varnothing 4 mm screwdriver Slotted head compatible with \cdot at \varnothing 5.5 mm screwdriver |

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

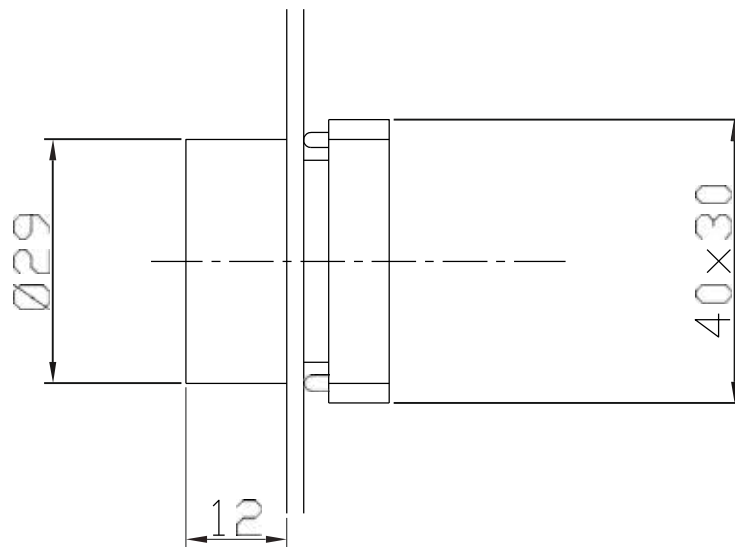
| | |
|-------------------------|---|
| Material | EN 45545 HL2 compliant Class R22 for Railway Application |
| Standards | CSAC22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-1 UL508 |
| IP degree of protection | IP66 conforming to IEC 60529 |
| Approvals | UL, CSA, CE |

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 %

Dimensions

in mm.



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 mm ² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals : 1 x 0.22...2 x 2.5 mm ² 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 |
| [U _i] rated insulation voltage | 250 V (degree of pollution: 3) conforming to EN/IEC 60947-1 |
| [U _{imp}] 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 |
| 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 |

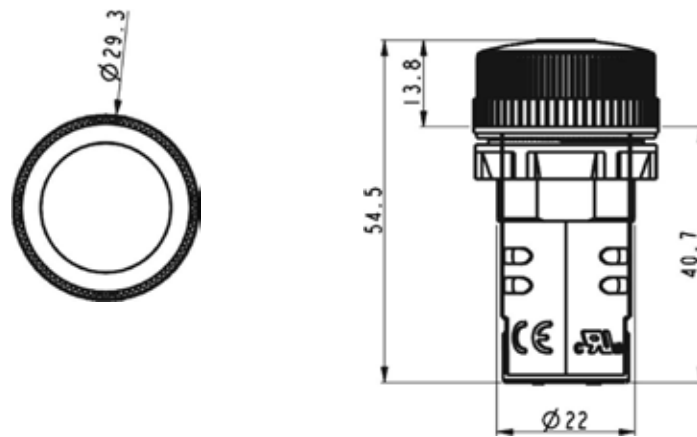
V* -- Vertical, T* -- Transverse, L* -- Longitudinal

- ❖ 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

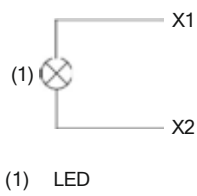
| S. No. | VOLTAGE | PRODUCT | CURRENT in mA (MAX) | MINIMUM GLOW LEVEL(in LUX) | | | | | | |
|--------|-------------|------------------|---------------------------|----------------------------|-----------------|---------------|----------------|----------------|----------------|----------------|
| | | | | 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



Marketing offices spread all over India

CENTRAL MARKETING OFFICE

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CUSTOMER CARE

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RAJKOT

Email: ahmedabad@cselectric.co.in

BARODA

Email: baroda@cselectric.co.in

SURAT

Email: surat@cselectric.co.in

SOUTHERN REGION

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COIMBATORE

Email: coimbatore@cselectric.co.in

KOCHI

Email: cochin@cselectric.co.in

MADURAI

Email: commercial.madurai@cselectric.co.in

BENGALURU

Email: bangalore@cselectric.co.in

HYDERABAD

Email: hyderabad@cselectric.co.in

VIJAYAWADA

Email: vijayawada@cselectric.co.in

RESIDENT ENGINEERS

AHMEDABAD: Visnagar **BANGALORE:** Bellary, Hassan, Hubli, Mangalore **BARODA:** Anand, Vapi **BHUBANESWAR:** Behrampur, Cuttack, Rourkela, Sambalpur **CHENNAI:** Vellore, Trichy **KOCHI:** Kollam **COIMBATORE:** Erode **DELHI & HARYANA:** Gurugram, Hissar, Panipat, **UP (W) & UK:** Agra, Bareilly, Dehradun, Ghaziabad, Meerut, Moradabad, Noida **GUWAHATI:** Silchar, Tezpur **HYDERABAD:** Karimnagar, Warangal **INDORE:** Bhopal, Gwalior, Jabalpur, Rewa, Ujjain **J&K:** Kashmir, Srinagar **JAIPUR:** Bhilwara, Bikaner, Jodhpur, Kota, Sikar, Udaipur **KOLKATA:** Bankura, Bardhaman, Siliguri **LUCKNOW:** Gorakhpur, Prayagraj, Shahjhanpur, Varanasi **LUDHIANA:** Amritsar, Barnala, Jammu, Mansa **MADURAI:** Nagercoil, Rajapalayam **MUMBAI:** Aurangabad, Nasik **NAGPUR:** Akola, Amravati, Chandrapur **PUNE:** Goa, Nasik, Kolhapur, Sangali, Solapur **RAIPUR:** Ambikapur **RAJKOT:** Bhavnagar, Jamnagar **RANCHI:** Dhanbad, Muzaffarpur, Patna, Purnia, Siwan **SURAT:** Aurangabad, Nasik **VIJAYAWADA:** Chittoor, Rajahmundry, Tirupathi, Vishakhapatnam

WAREHOUSES

National Warehouse

NOIDA B-58, Sector-80, Phase-II, Noida, District Gautam Budh Nagar, Uttar Pradesh - 201305 INDIA
Ph.: +91 120 3857483/84/88/89

Regional Warehouses

INDORE Liberty Agencies 53, Udyog Nagar, Near Musakhedi Square, Ring Road, Indore - 452001 INDIA
Ph.: +91 88780 62000 / 64000

RANCHI Plot No. 145/C, Mandir Marg-D, Road No. 4, Ashok Nagar, Distt. Ranchi, Jharkhand - 834002 INDIA
Ph.: +91 651 2242202, 2242224

AHMEDABAD B-25-B/C Meldi Industrial Estate, Opp. West Coast Pharmaceutical, Nr. Gota Over Bridge, Gota, Ahmedabad - 382481 INDIA
Mob.: +91 7698996868 / 6351725096,

BENGALURU No. 25, Pattanagere Village, Kengeri Hobli, Rajarajeshwari Nagar, Bangalore - 560098 INDIA
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