RU280 Single Pole Single Throw Normally Open  
(Part of the Reduced Silver Series)

The Reduced Silver series are suitable for applications where infrequent switching is specified. In such applications the degradation of the tip is minimal and therefore a higher volume of silver is unnecessary. Developed for Uninterrupted current applications the RU280 is typically used in line contactors or Power Distribution Systems.

- Uninterrupted current - no or infrequent load switching requirements (maintains a lower contact resistance).

The contactors have double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. They are easy to install, with M5 tapped holes in the switch frame together with a range of mounting brackets. Mounting can be vertical or horizontal, when vertical the M10 contact studs should point upwards. If the requirement is for downwards orientation we can adjust the contactor to compensate for this.

**RU280 Contactor Performance**

- **Dimensions in mm [inches]**
  - 6[0.24], 12[0.48], 25[1.0], 45[1.8], 70[2.8], 110[4.3], 130[5.1]

- **RU280A (Auxiliary Contacts)**

**RU280 Available Options**

- **General**
  - Auxiliary Contacts  A
  - Auxiliary Contacts - V3  C
  - Magnetic Blowouts  B
  - Magnetic Blowouts - High Powered  B
  - Armature Cap
  - Mounting Brackets
  - Magnetic Latching (Not fail safe)  M
  - Closed Contact Housing
  - Environmentally Protected IP66  P
  - EE Type (Steel Shroud)  EE

- **Contacts**
  - Textured Tips  T
  - Silver Plating  X
  - AC Rectifier Board (Fitted)  ❌
  - Coil Suppression  ❌
  - Flying Leads  F
  - Junior Power Timer Connector
  - Manual Override Operation
  - M4 Stud Terminals  X
  - M5 Terminal Board
  - Vacuum Impregnation

**RU280C**

- AUXILARY CONTACT
- AUXILARY CONTACT

**RU280A**

- AUXILARY CONTACT
- AUXILARY CONTACT

**Connection Diagram**

**Key:**
- Uninterrupted Current
- * Connection becomes polarity sensitive

**RU280C**

- AUXILARY CONTACT
- AUXILARY CONTACT

**RU280A**

- AUXILARY CONTACT
- AUXILARY CONTACT

**Figures are for guideline purposes only**

**RU280 Contactor Performance**

- **Time (Seconds)**
  - 100 200 300 400 500 600 700 800 900
  - **Current (Amperes)**
  - 100 200 300 400 500 600 700 800 900

**Contact Performance Key:**

- Uninterrupted Current

**Advised Connection Sizes for Maximum Continuous Current**

- Copper busbar  228mm² [0.353 inch²]
- Cable  Rated suitable for application

**Key:**
- = Uninterrupted

**Note:** Where applicable values shown are at 20°C

* Please check our web site for product UL status

- Performance data provided should be used as a guide only. Some de-rating or variation from figures may be necessary according to application.
- Thermal current ratings stated are dependant upon the size of conductor being used
- For further technical advice email: technical@albrightinternational.com
- Albright reserve the right to change data without prior notice