

Enclosed Relay designed primarily for the Railway Industry, and to meet BR specification with regards to tracking and clearances.

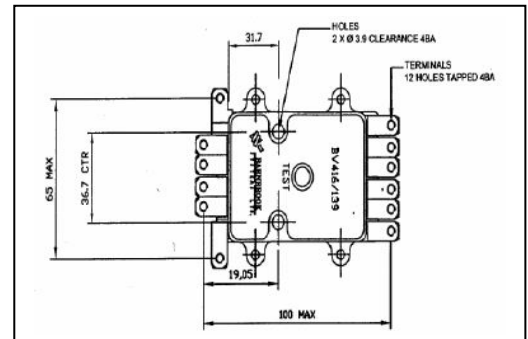
Anti vibration complies with BR specification. The mouldings are made from flame retardant polyester.

Key Features

- Fully Enclosed.
- Manual test check.
- Gold plated silver alloy contacts.
- Standard Configuration Four pole (2N/O 2C/O) also available as 6 or 8 pole
- Proven Track Record
- Can be data-enabled



Type BV416/139



Specification

Performance

Suitable for both inductive and resistive loads
Gold plated contacts
Contact Rating

Inductive
4A Max at 24V DC
100mA Minimum at 24V DC
Resistive
16A Max at 24V DC
100mA Minimum at 24V DC
1 million operations minimum

Life

Electrical

Pull in voltage
Drop out voltage
Insulation resistance
Dielectric strength

15 V DC at 20°C (For 24V DC nominal coil)
5 V DC minimum (For 24V DC nominal coil)
100 MegOhms at 500 V DC
2000 V AC minimum

Environmental and Physical

Temperature range
Shock & Vibration
Fire

-40 °C to +70 °C
BS EN 61373 1999
BS 6853

Dimensions

Size
Weight

105mm x 70mm x 80mm
400 grams.

Installation

Installation / Mounting Screws Max
Torque Value

2.0Nm Max
(Excessive Torque may distort case and affect relay operation)

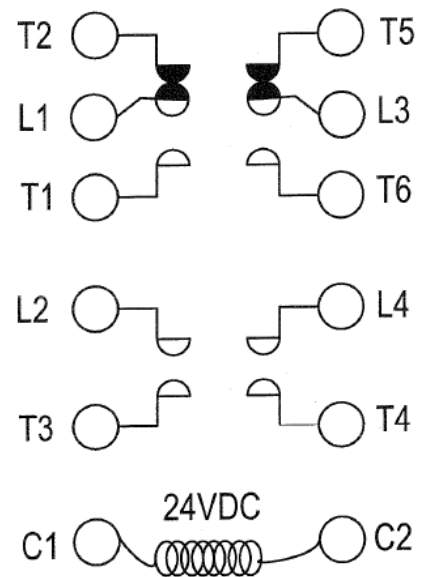
Ordering Information

Specify part number and quantity.
Other Coil Voltages and contact configurations are available on request.

Design authority and manufacture by Barnbrook Systems Limited

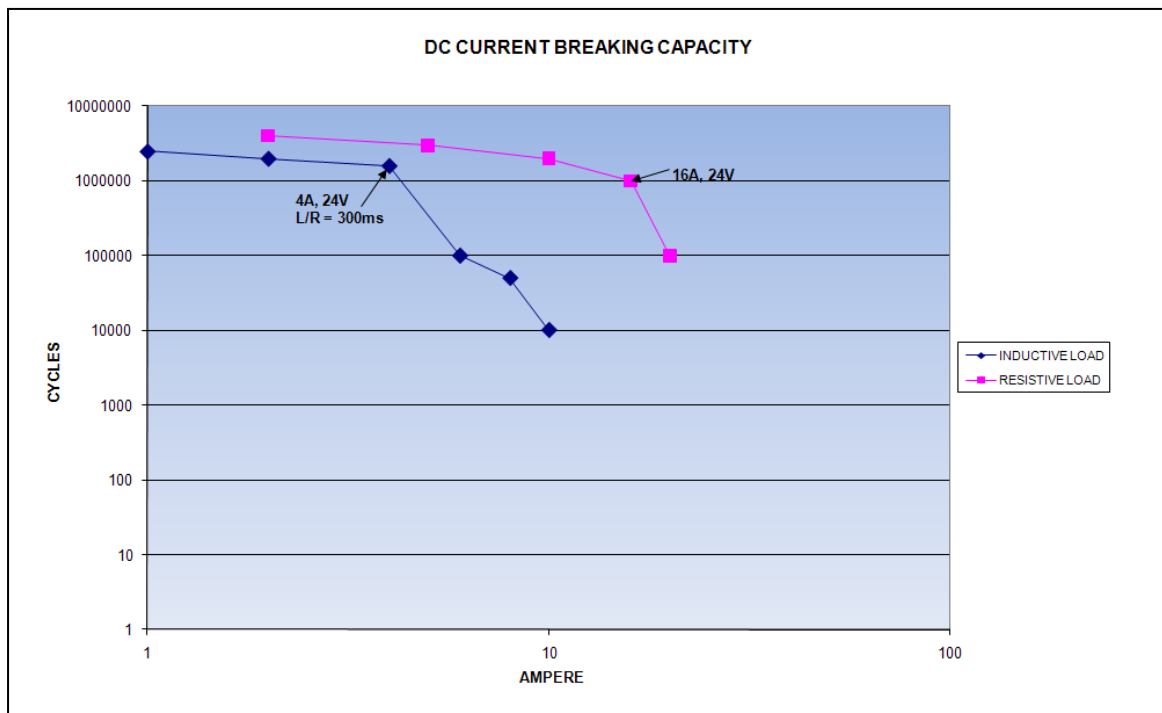
Barnbrook Systems reserves the right to alter specifications and design without notice

Termination identification for BV416/139 (2C/O 2N/O) Contact configuration	
Contact Marking	Termination
C2	Coil + ve
C1	Coil - ve
T1	N/O 1
T3	N/O 2
T6	N/O 3
T4	N/O 4
L1	Pole 1
L2	Pole 2
L3	Pole 3
L4	Pole 4
T2	N/C 1
T5	N/C 3



Note:

- Contact terminals L1 – T1, L1 – T2 & L3 – T5, L3 – T6 form the 2C/O configuration.
- Contact terminals L2 – T3 & L4 – T4 form the 2N/O configuration.



Design authority and manufacture by Barnbrook Systems Limited

Barnbrook Systems reserves the right to alter specifications and design without notice