



- HVDC 1000A carry current
- Max. switching current = 3300A
- Contacts sealed in inert gas
- Magnet arc blowout
- Coil economiser as standard
- Auxiliary contact option
- Male or female power terminals



Contacts

| | |
|---------------------------------|---|
| Contact arrangement | SPST-NO-DM |
| Contact material | T2+Ag |
| Max. switching voltage | AC/DC 1000VDC |
| Rated load | DC1 600A 1000VDC (break only above 600A) |
| Max. continuous thermal current | 600s 1000A (with 300mm ² conductors) |
| | 60s 1000A (with 200mm ² conductors) |
| | 20s 1500A (with 300mm ² conductors) |
| Max switching current | 1 time only 3300A 320VDC |
| Initial contact resistance | max. 0.2mΩ (under rated current) |
| Auxiliary contact (when fitted) | arrangement SPST-NO (1 Form A) |
| | max. current 2A @ 30VDC / 3A @ 125VAC |
| | min. current 100mA @ 5VDC |

Coil

| | |
|------------------------------|---------------------------------------|
| Nominal voltage (see page 2) | DC 12 ...36VDC (with coil economiser) |
| Rated power consumption | hold 1.2W @ 12VDC |

Insulation

| | | |
|-----------------------|--------------------|---------------------------------------|
| Insulation resistance | initial | 100MΩ (Min.) |
| | life end | 50MΩ (Min.) |
| Dielectric strength | coil to contact | 4000Vrms / 1mA / 1 min (at sea level) |
| | contact to contact | 4000Vrms / 1mA / 1 min (at sea level) |

General Data

| | | |
|-------------------------------|------|--|
| Operate / bounce time at 20°C | max. | 40ms / 5ms |
| Release time | max. | 20ms |
| Electrical life | ops. | Voltage and current dependent - see fig. 1 |
| Mechanical life | ops. | 2 x 10 ⁵ |

Environmental

| | | |
|-----------------------|-----------|--|
| Environmental sealing | IP rating | Contacts are inside hermetically sealed can, |
| | | economiser is protected by dust cover only. |
| Ambient temperature | operating | -40 to +85°C |
| Relative humidity | | 5 to 85%RH |
| Shock resistance | | 20G peak, 11ms 1/2 sine |
| Vibration resistance | | 100G sine peak (80 to 2000Hz) |
| Dimensions | L x W x H | 78 x 67 x 104.5mm (approx.) |
| Weight | approx. | 800g |

Ordering Code

D E V R 6 0 - 5 0 6 1 - S 8 - 1 2 3 6 - R 1

Series

Coil code:

See table 1

Contact material

50: T2+Ag

Contact arrangement

61: SPST-NO

71: SPST-NO + Auxiliary

Mounting & terminations

Bottom flange mounting base

S8: M10 male stud power terminals

S9: M8 female power terminals

Coil & auxiliary contacts by flying leads

Coil wire length

R: 14.96" (380mm)

T: 5.9" (150mm)

Coil wire & auxiliary contact termination

1: None

2: Yazaki 7282-5558-10 Male

Other terminations to special order

Coil Data Table 1

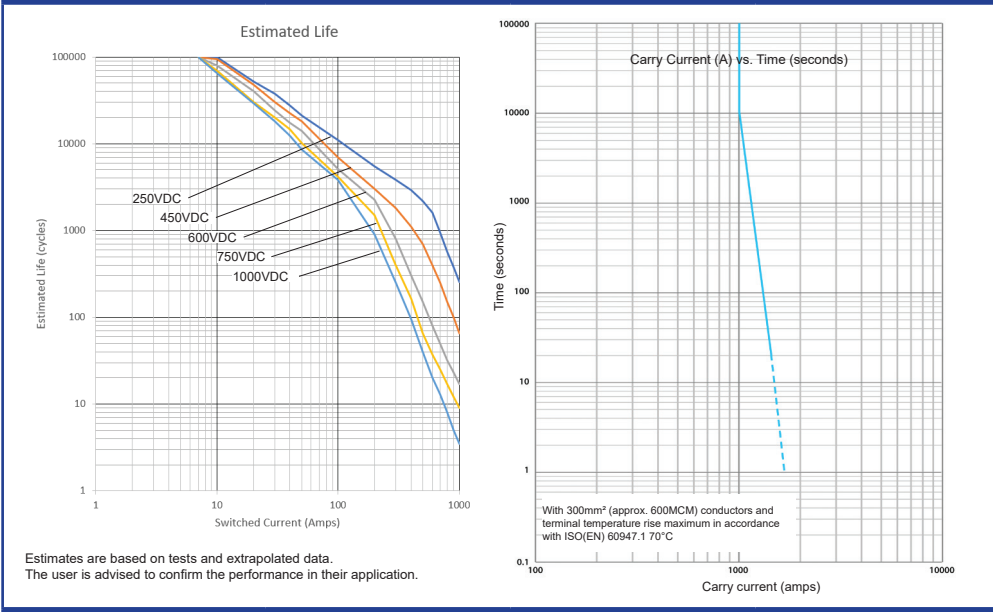
| Coil code | Nominal voltage (VDC) | Must operate voltage max. (VDC) | Max. allowable voltage (VDC) | Must release voltage min. (VDC) | Inrush current max. (A) | Hold voltage min. (VDC) | Holding current (average) |
|-----------|-----------------------|---------------------------------|------------------------------|---------------------------------|-------------------------|-------------------------|-----------------------------|
| 1236 | 12 - 36 | 9 | 36 | 6 | 2.32 | 7.5 | 100mA@12VDC 50mA @ 24VDC |

Coil economiser standard, no additional coil surge suppression required.

Other voltages available upon special request and subject to minimum quantity.

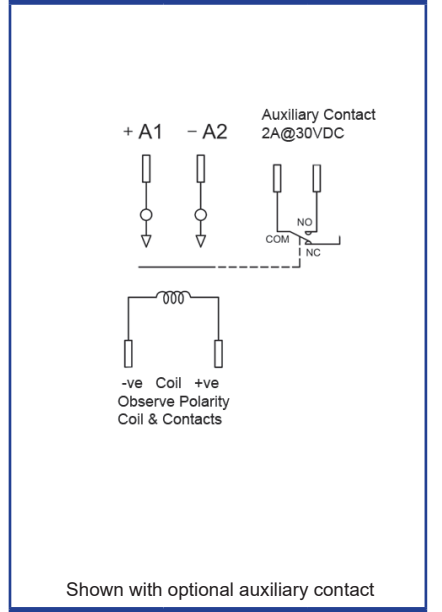
Electrical Performance

Fig. 1



Circuit Diagram

Fig. 2



Dimensions

Fig. 2

