



- HVDC 800A 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 500A)
Max. continuous thermal current	600s	800A with 300mm ²
	60s	1000A with 300mm ²
	15s	1500A with 300mm ²
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, economizer is protected by dust cover only.
Ambient temperature	operating	-40 to +85°C
Relative humidity		5 to 85%RH
Shock resistance		100G peak, 11ms 1/2 sine
Vibration resistance		20G 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 5 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

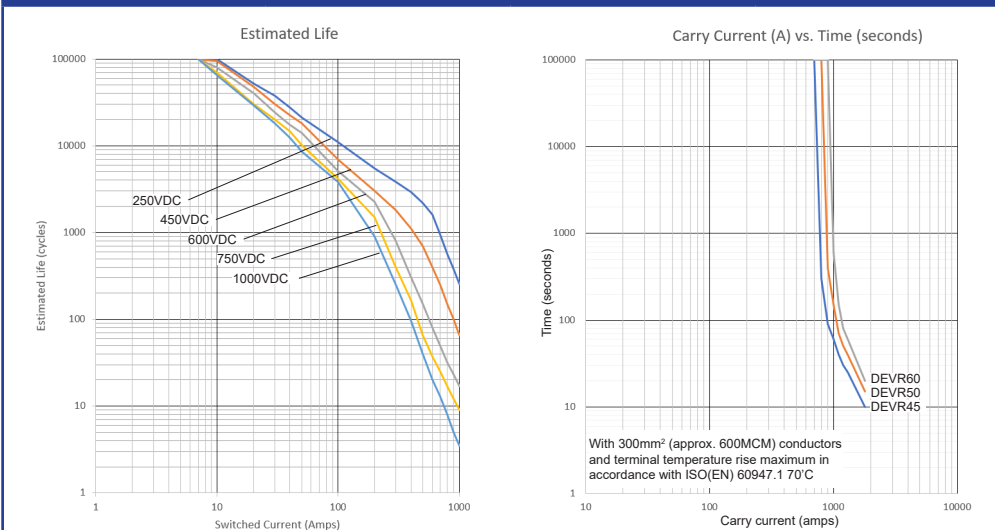
Coil code	Nominal voltage (VDC)	Must operate voltage max. (VDC)	Max. allowable voltage (VDC)	Must release voltage min. (VDC)	Inrush current max. (A)	Hold voltage min. (VDC)	Holding current (average)
1236	12 - 36	9	36	6	2.32	7.5	100mA@12VDC 50mA @ 24VDC

Coil economizer standard, no additional coil surge suppression required.

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

Electrical Performance

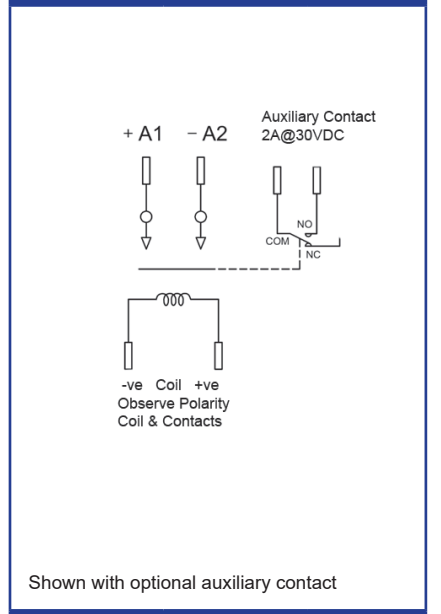
Fig. 1



Estimates are based on tests and extrapolated data.
The user is advised to confirm the performance in their application.

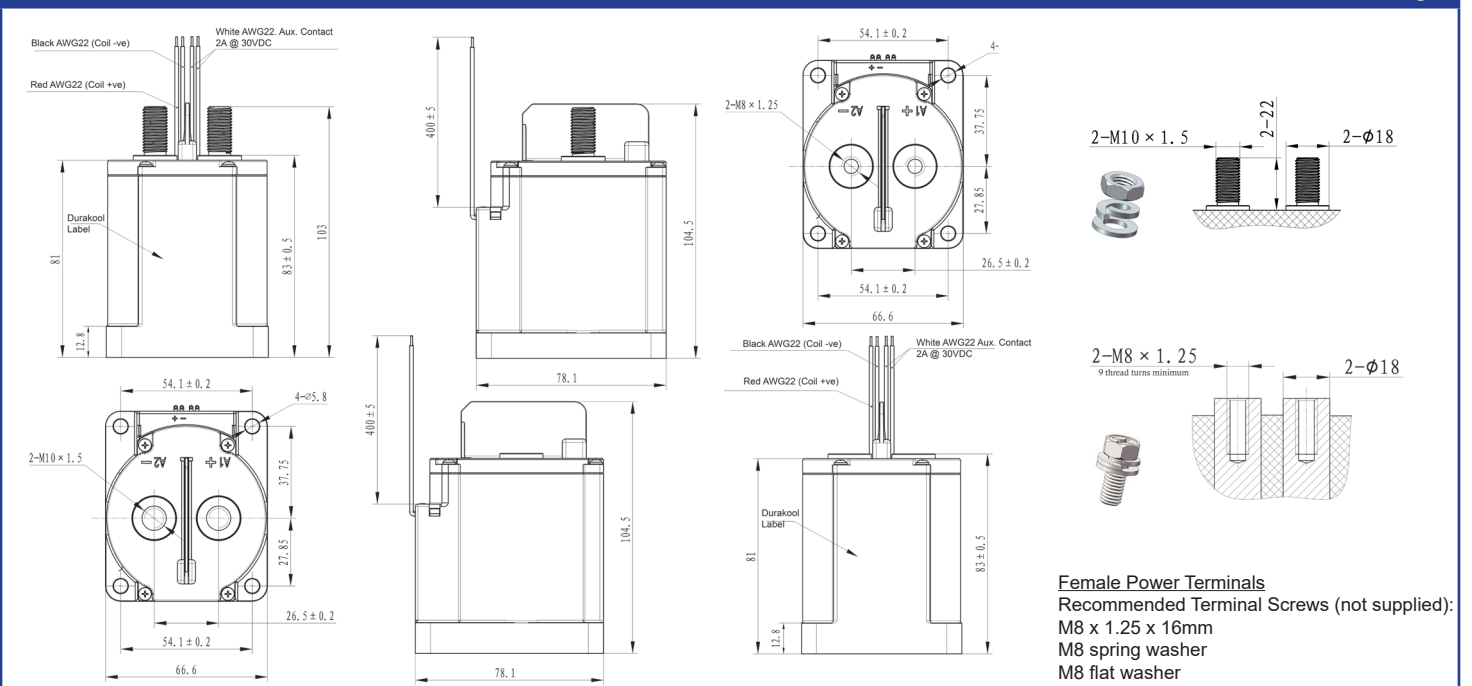
Circuit Diagram

Fig. 2



Dimensions

Fig. 2



- Notes:
- Note coil polarity
 - Polarity sensitive type: Observe contact polarity as indicated
Contactor life will be severely reduced if incorrectly connected.
 - Nominal dimensions in mm.
 - Tolerances (nominal), <10mm: ± 0.3mm, 10 ~ 50mm: ± 0.6mm, >50mm: ± 1.0mm.
 - Coil wire length and terminations can be customised upon request.