



TECHNICAL DATA

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|---|------------------------------|
| Maximum Coil Temperature at 68°F (20°C) Ambient | 218°F (105°C) |
| Arc Suppression (TVS) | Standard |
| Power Consumption (cold) - at rated voltage | 22 watts |
| Maximum Ambient Temperature | 50 °C |
| Voltage/Frequency | 24 VDC |
| Operating Voltage Range | +/- 10% nominal |
| Duty Cycle Rating | 100 % |
| Connector | ISO/DIN 43650, Form A, 3-pin |
| Connector Environment Rating | IP65/IP67 |
| Solenoid Tube Diameter | 19 mm |
| Coil Nut Torque | 0,5 Nm |
| Model Weight | 0.23 kg. |

PROPORTIONAL PERFORMANCE DATA

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|--|---------------|
| Maximum Current | 590 mA |
| Nominal Coil Resistance at 122°F (50°C) Stabilized | 37.2 ±5% ohms |
| Nominal Coil Resistance at 68°F (20°C) Cold | 26.2 ±5% ohms |

USED WITH

| | | | | | | | | | |
|------|-------|------|-------|-------|------|-------|-------|-------|-------|
| DAAL | DAALS | DBAL | DBALS | DFCA | DFCB | DFDA | DFDB | DFEA | DFEB |
| DFFA | DFFB | DLDA | DLDAS | DLDAZ | DMDA | DMDAS | DMDAZ | DNCA | DNCAZ |
| DNDA | DNDAS | DNDC | DNDY | DNDYS | DTCA | DTCAZ | DTDA | DTDAS | DWDA |
| FMDA | FMDB | FPCC | FPCH | FPFK | FPHK | HDDA | PRDL | PRDM | PRDN |
| PRDP | PSDL | PSDP | RBAN | RBAP | | | | | |

TECHNICAL FEATURES

- Coil windings utilize Class N, (392° F [200 °C] rated) magnet wire.
- A TVS surge suppression diode is built into DC coils. Nominal breakdown voltage: 68V. Model code 1.5 KE68CA Steady state power dissipation @ 75°C is 6.5 W and peak pulse dissipation is 1500 W for 1 ms, nonrepetitive.
- Power cable with mating connector is required and is not included with product.
- This coil is CE compliant. It meets the requirements of the Low Voltage Directive (2006/95/EC) and EN 60204-1:2006.
- The coil is magnetically symmetrical and can be mounted in either direction on the solenoid tube without affecting performance.
- For optimum proportional performance, an amplifier with current sensing and adjustable dither should be used. Dither should be adjustable between 100 - 250 Hz.
- IP rating is dependent on the coil connector and the mating connector used.
- RoHS compliant. Restricted materials less than 0.1% total by weight.
- The external steel shell is zinc plated with black dichromate.