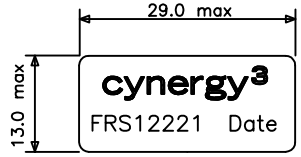
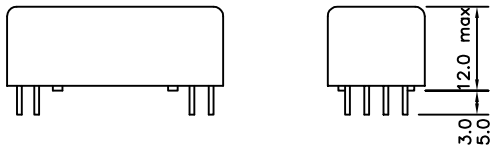
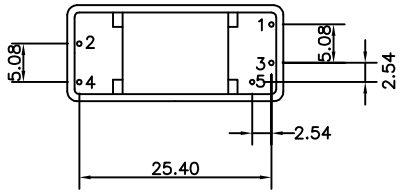
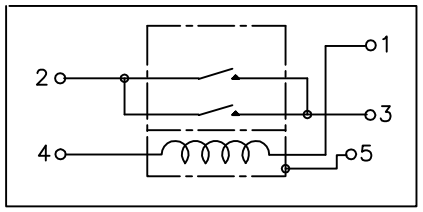
| DRG. No. | ALL DIMENSIONS IN | THIRD ANGLE PROJECTION | SCALE OF ORIGINAL |
|---|---|---|---|
| OD403820 | mm | DO NOT SCALE | N.T.S. |




Circuit Diagram
(view from underside)

## Specification FRS12221

| Parameters | Value | Units | Conditions |
|---|---|---|---|
| **Coil** | | | @ 20°C |
| Nominal working voltage | 24 | Volts | |
| Must operate | 16 | Volts | |
| Must release | 4 | Volts | |
| Nominal resistance (+/−10%) | 1000 | Ohms | |
| **Contact** | | | |
| Number of switches | 2 | | |
| Action | Form A | | |
| Switching voltage | 20 | Volts | DC or AC peak |
| Switching current | 0.5 | Amps | DC or AC peak |
| Carry current | 6 | Amps | RMS at 30MHz |
| Isolation | 2000 | Volts | DC |
| **Relay** | | | |
| Operate time (including bounce) | 2 | milliseconds | |
| Release time (including bounce) | 0.5 | milliseconds | |
| Contacts to coil isolation | 2000 | Volts | DC |
| Coil to screen isolation | 250 | Volts | DC |
| Insulation resistance | 1x10E10 | Ohms | |
| **Environmental** | | | |
| Storage temperature range | −55 to +125°C | | |
| Operating temperature range | −40 to +85°C | | |
| Lifetime | 1x10E8 | Cycles | dry switching |
| Shock | 100 | g | 11ms 1/2 sine pk |
| Bump | 40 | g | 6ms 1/2 sine pk |
| Vibration | 20 | g | 10 – 2000Hz |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Limits Not Shown
ONE DEC ±0.2
TWO DEC ±0.1

| Sheet No. | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Issue | A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date | 07/04/08 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ECO | – | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Issue | A | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Date | Drawn | Prod.Eng. | Q.A Eng. | Team Le. | CAD Ref. |
|---|---|---|---|---|---|
| 07/04/08 | A. Fernando | | | | W:\DO DOCUMENTATION\OD\ |

| Title | Pt.No. | Drg No. |
|---|---|---|
| FRS12221 | | OD403820 |

6 SIZE ISO A4