



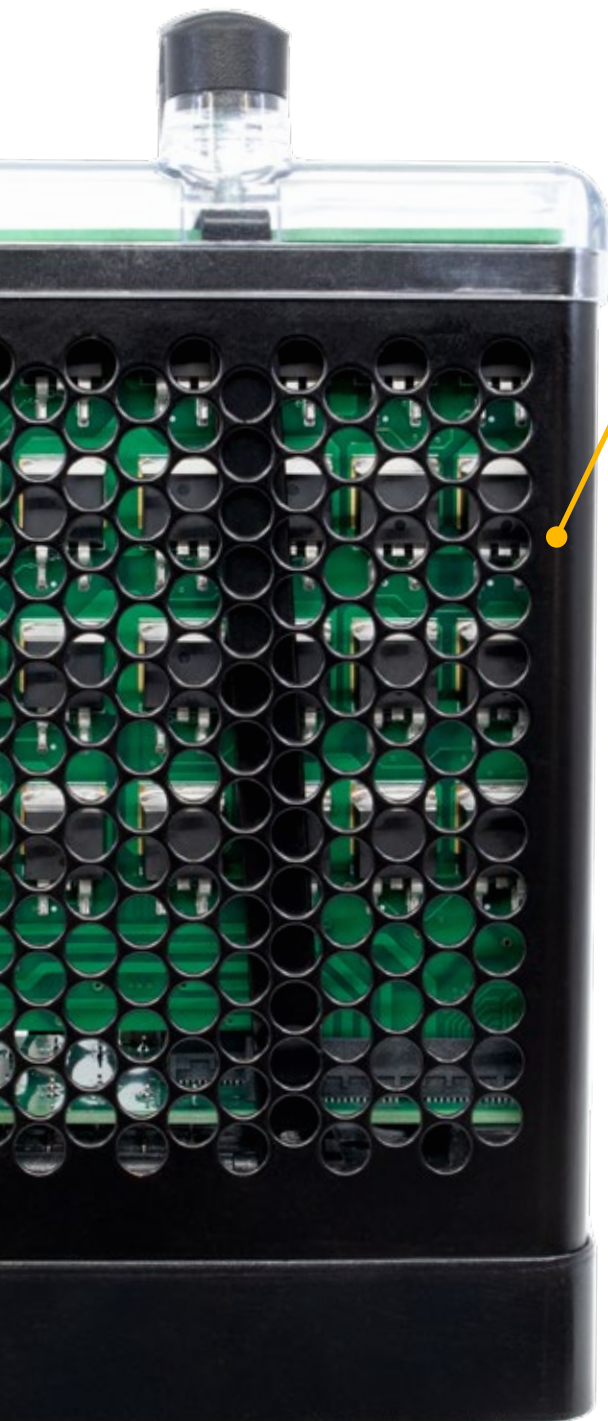
**SELECTiQ®**

**SIL4 SOLID STATE  
SIGNALLING RELAYS**

**SELECTRAIL®**

# TECHNICAL DATA

The **SELECTiq®** has been designed to improve reliability, performance and functionality over its electromechanical predecessors.



## LONGER LIFE

Over 20x longer life expectancy (compared to traditional relays). Proven up to 20,000,000 cycles without failure - and counting!

## FEATURES

- SIL4 Certified
- Backward and upward compatibility with existing electromechanical relays and Q-relay plugboards
- Consistent output and operation over its lifespan
- 100% solid state technology
- No moving parts
- No more contact resistance issues
- Nominal working voltages: 24VDC or 50VDC
- Reduced lead time
- Accurate and consistent repeatability
- User friendly display
- Improved interlocking PIN code retaining plate design
- Increased reliability
- Patented design
- AC & DC switching or DC only switching (on request)
- BR930 Q relay form factor
- Compatible with existing BR829 Q relay plugboards (interlocking pin code permitting)



## SELF TESTING

Just plug it in. No pretesting is required as our SELECTiQ relay tests itself and will shut down safely if it detects a fault.

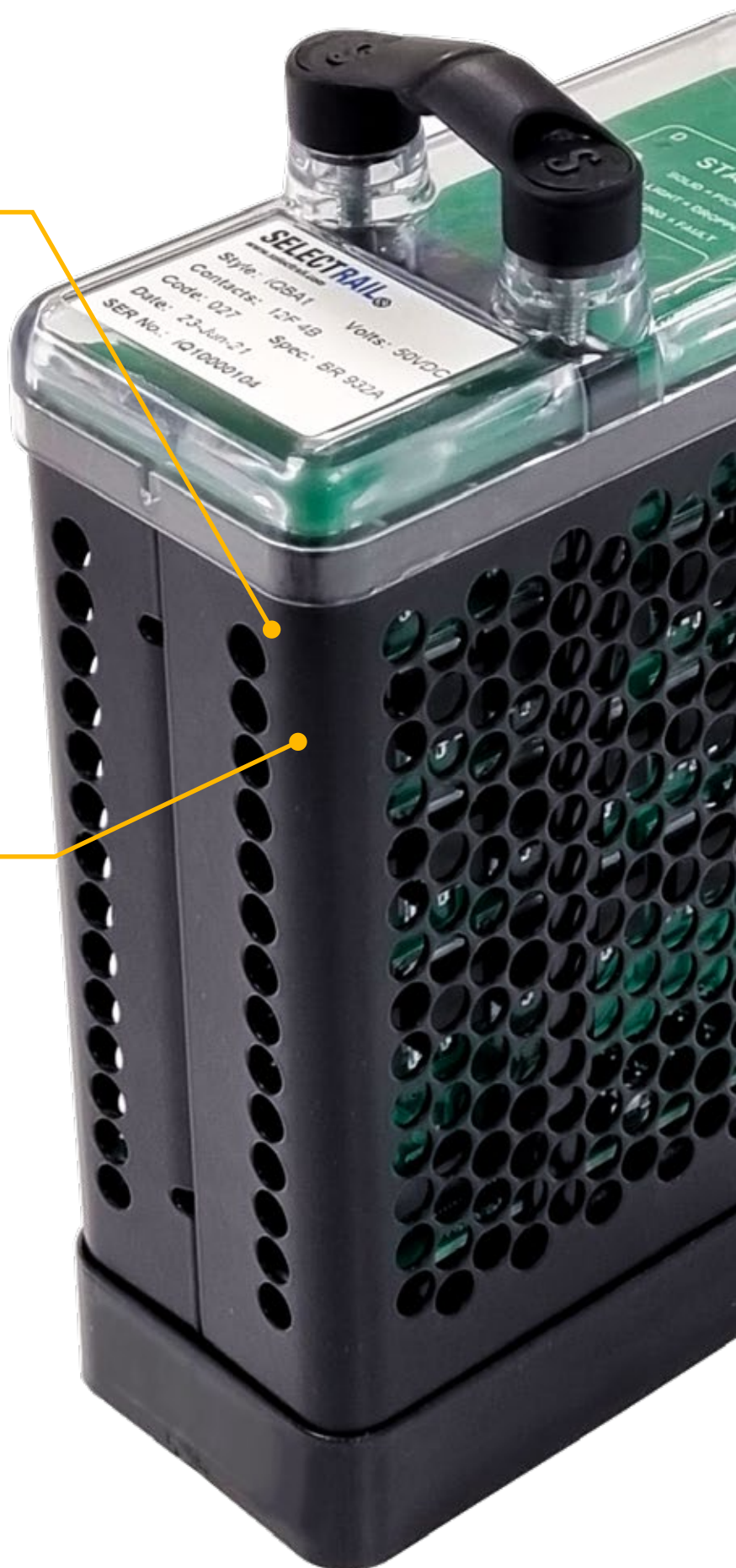


## ZERO MAINTENANCE

This unit requires no hard wiring changes, no customer testing, no batteries, or additional power supply (only coil supply as with traditional Q-Style relays).

## SPECIFICATIONS

- Contact Current Rating: 3.0A/channel
- AC Immune
- Approximate weight: 0.75kg
- Designed for Operating Temperature: -40°C to +70°C
- Low Power Consumption
- Available Biased or Non-Biased



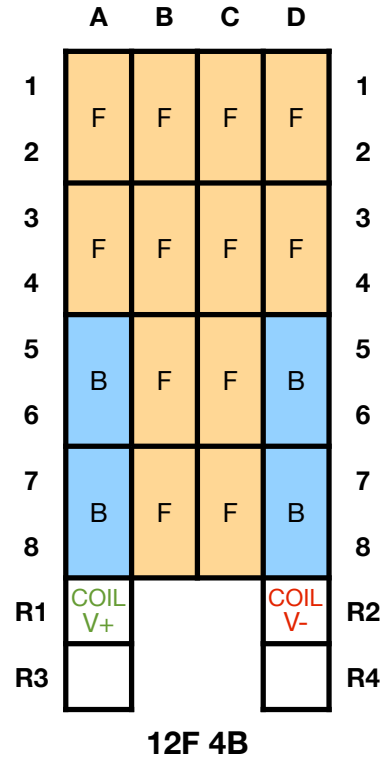
## CONTACT LAYOUT:

Note: Layouts shown are when viewed from the rear of the relay.

# iQBA1

## FEATURES:

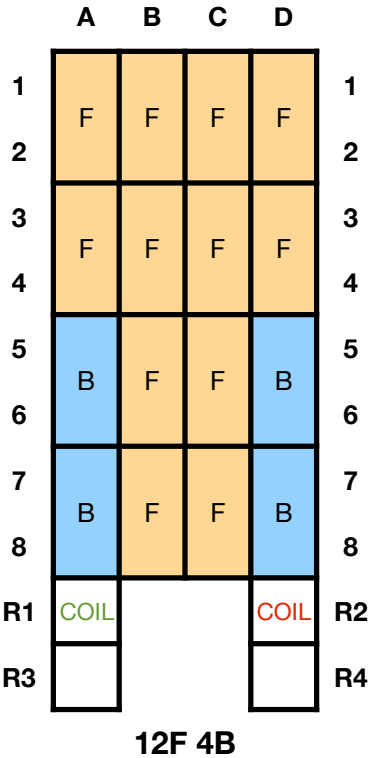
- DC biased
- AC & DC switching (DC only switching variant available on request)
- AC immune
- Patented design
- SIL4 Certified
- Typical operate time = 220ms
- Typical release time = 30ms
- Weight = 0.8kg



| Product Code    | Nominal Working Volts (VDC) | Contacts | Interlocking PIN code | Plugboard Product Code |
|-----------------|-----------------------------|----------|-----------------------|------------------------|
| iQBA1-12F-4B-50 | 50                          | 12F 4B   | ACDFH                 | iQBA1-ACDFH-B          |
| iQBA1-12F-4B-24 | 24                          | 12F 4B   | ABFGH                 | iQBA1-ABFGH-B          |

CONTACT LAYOUT:

Note: Layouts shown are when viewed from the rear of the relay.



iQNA1

FEATURES:

- DC neutral
- AC & DC switching (DC only switching variant available on request)
- AC immune
- Patented design
- SIL4 Certified
- Typical operate time = 150ms
- Typical release time = 30ms
- Weight = 0.8kg



| Product Code    | Nominal Working Volts (VDC) | Contacts | Interlocking PIN code | Plugboard Product Code |
|-----------------|-----------------------------|----------|-----------------------|------------------------|
| iQNA1-12F-4B-50 | 50                          | 12F 4B   | ABEFH                 | iQNA1-ABEFH-B          |
| iQNA1-12F-4B-24 | 24                          | 12F 4B   | ABDFH                 | iQNA1-ABDFH-B          |

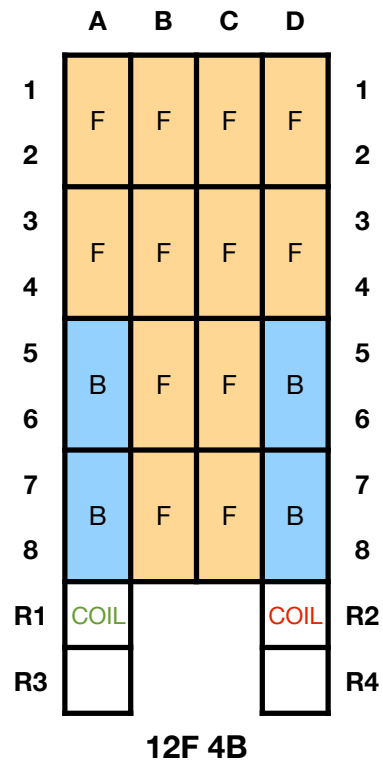
## CONTACT LAYOUT:

Note: Layouts shown are when viewed from the rear of the relay.

# iQN1

## FEATURES:

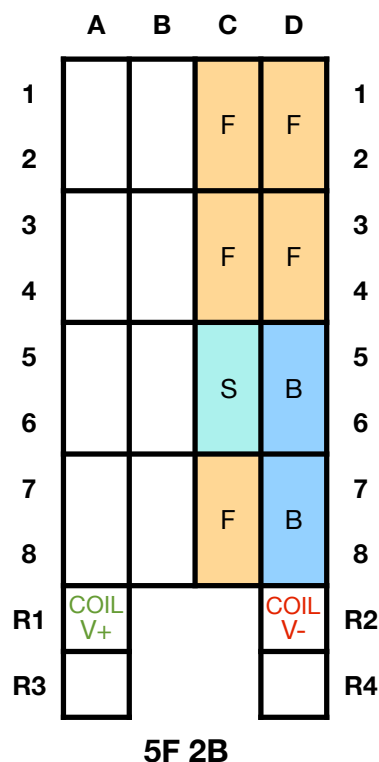
- DC neutral
- AC & DC switching (DC only switching variant available on request)
- Patented design
- SIL4 Certified
- Typical operate time = 150ms
- Typical release time = 30ms
- Weight = 0.8kg



| Product Code   | Nominal Working Volts (VDC) | Contacts | Interlocking PIN code | Plugboard Product Code |
|----------------|-----------------------------|----------|-----------------------|------------------------|
| iQN1-12F-4B-50 | 50                          | 12F 4B   | ABCEF                 | iQN1-ABCEF-B           |
| iQN1-12F-4B-24 | 24                          | 12F 4B   | ABCDE                 | iQN1-ABCDE-B           |

## CONTACT LAYOUT:

Note: Layouts shown are when viewed from the rear of the relay.



## iQSELECT2

### FEATURES:

- Time delay relay
- Typical release time = 30ms
- Weight = 0.70kg
- Stick contact
- Recognises strappings & sets time range accordingly
- Visual indication of timing
- Digital clock accuracy
- Fine adjustment via DIP switches
- SIL4 Certified

| (s)  | Strapping   | (s) | Strapping   | (s) | Strapping   |
|------|-------------|-----|-------------|-----|-------------|
| 2.5  | A1-B7 B7-B8 | 125 | A1-A5 B7-A8 | 249 | A1-B2 A8-B8 |
| 7.5  | A1-B7 B7-A8 | 131 | A1-A5 A8-B8 | 254 | A1-B2 -     |
| 13.5 | A1-B7 A8-B8 | 136 | A1-A5 -     | 262 | A1-A2 B7-B8 |
| 18.5 | A1-B7 -     | 144 | A1-B4 B7-B8 | 267 | A1-A2 B7-A8 |
| 26   | A1-B7 B7-B8 | 149 | A1-B4 B7-A8 | 273 | A1-A2 A8-B8 |
| 31   | A1-B7 B7-A8 | 155 | A1-B4 A8-B8 | 278 | A1-A2 -     |
| 37   | A1-B7 A8-B8 | 160 | A1-B4 -     | 285 | A1-B1 B7-B8 |
| 42   | A1-B7 -     | 167 | A1-A4 B7-B8 | 290 | A1-B1 B7-A8 |
| 50   | A1-B6 B7-B8 | 173 | A1-A4 B7-A8 | 296 | A1-B1 A8-B8 |
| 55   | A1-B6 B7-A8 | 178 | A1-A4 A8-B8 | 301 | A1-B1 -     |
| 61   | A1-B6 A8-B8 | 184 | A1-A4 -     | 309 | - B7-B8     |
| 66   | A1-B6 -     | 191 | A1-B3 B7-B8 | 314 | - B7-A8     |
| 73   | A1-A6 B7-B8 | 196 | A1-B3 B7-A8 | 320 | - A8-B8     |
| 78   | A1-A6 B7-A8 | 202 | A1-B3 A8-B8 | 325 | - -         |
| 84   | A1-A6 A8-B8 | 207 | A1-B3 -     |     |             |
| 89   | A1-A6 -     | 214 | A1-A3 B7-B8 |     |             |
| 97   | A1-B5 B7-B8 | 220 | A1-A3 B7-A8 |     |             |
| 102  | A1-B5 B7-A8 | 226 | A1-A3 A8-B8 |     |             |
| 108  | A1-B5 A8-B8 | 231 | A1-A3 -     |     |             |
| 113  | A1-B5 -     | 238 | A1-B2 B7-B8 |     |             |
| 120  | A1-A5 B7-B8 | 243 | A1-B2 B7-A8 |     |             |

(s) - Delay Time nominal  
(seconds)

Times indicated are with DIP  
switches set to minimum.



| Product Code       | Nominal Working Volts (VDC) | Contacts | Interlocking PIN code | Plugboard Product Code |
|--------------------|-----------------------------|----------|-----------------------|------------------------|
| iQSELECT2-5F-4B-50 | 50                          | 5F 2B    | BDFHX                 | iQSELECT2-BDFHX-B      |
| iQSELECT2-5F-5B-24 | 24                          | 5F 2B    | BDFJX                 | iQSELECT2-BDFJX-B      |

# SELECTRAIL®



## HEAD OFFICE

13 TREVI CRESCENT,  
TULLAMARINE  
VIC 3043, AUSTRALIA

TEL +61 3 9335 0600

EMAIL [INFO@SELECTRAIL.COM](mailto:INFO@SELECTRAIL.COM)

## DISCOVER MORE ONLINE

[www.selectrail.com](http://www.selectrail.com)

