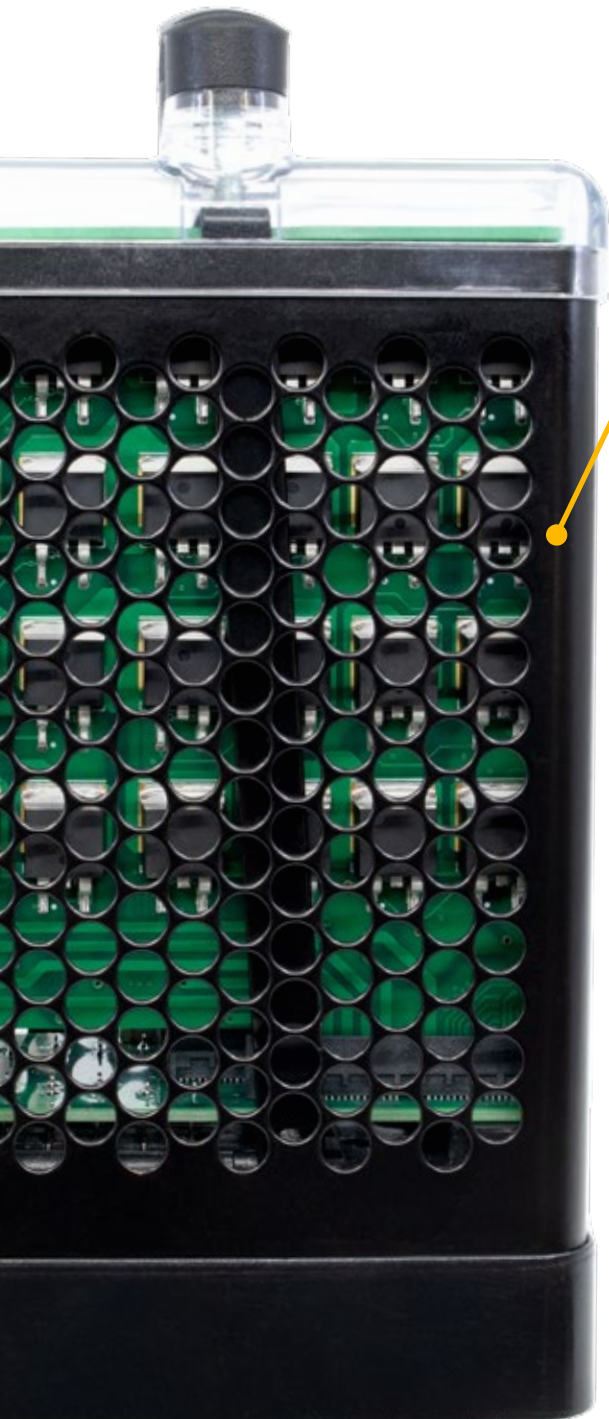**SELECTiQ**®

SIL4 SOLID STATE
SIGNALLING RELAYS

SELECTRAIL®

TECHNICAL
DATA

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

20x

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.
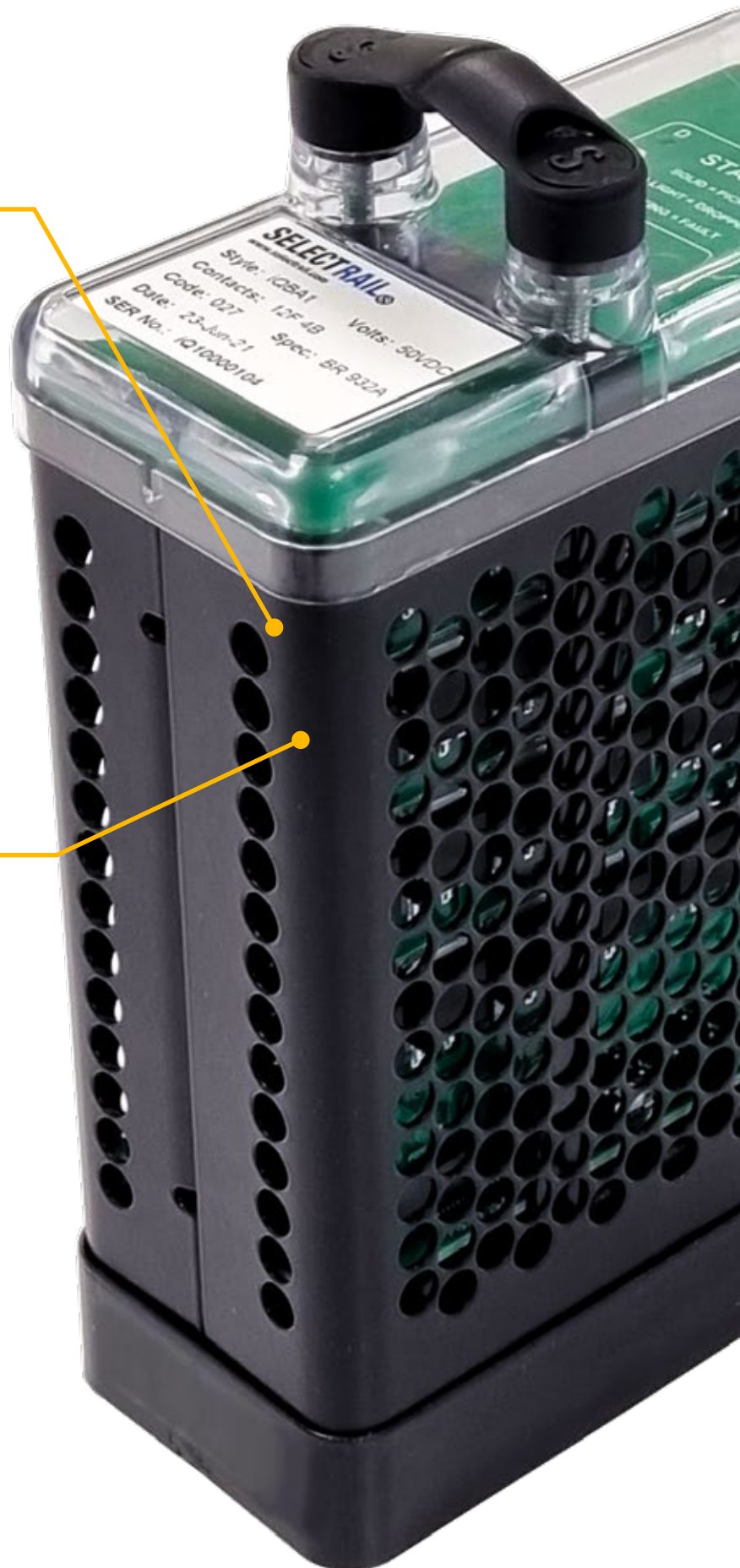
ZERO MAINTENANCE

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

SELECTRAIL®
Style: IQBA1
Contacts: 12F 4B   Volts: 50VDC
Code: 027   Spec: BR 932A
Date: 23-Jun-21
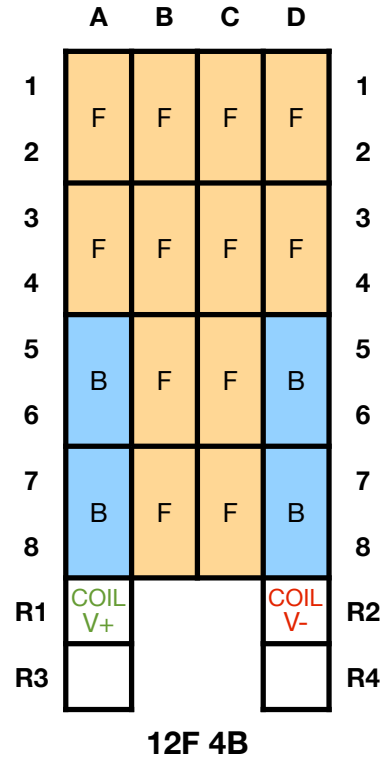SER No.: IQ10000104

SELECTRAIL®

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)
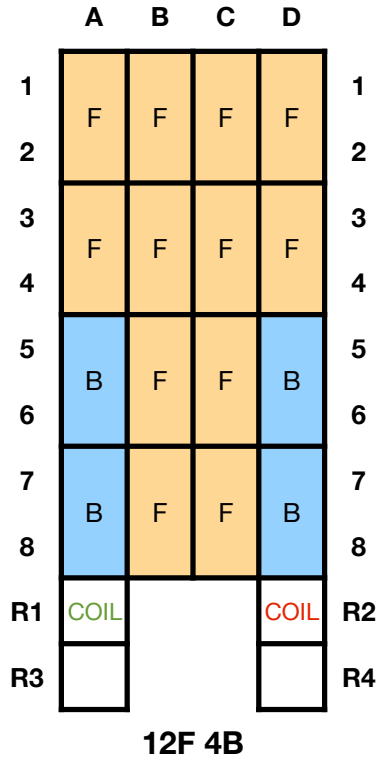- AC immune
- Patented design
- SIL4 Certified

- Typical operate time = 220ms
- Typical release time = 30ms
- Weight = 0.8kg

	A	B	C	D	
1	F	F	F	F	1
2					2
3	F	F	F	F	3
4					4
5	B	F	F	B	5
6					6
7	B	F	F	B	7
8					8
R1	COIL V+			COIL V-	R2
R3					R4

12F 4B

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

	A	B	C	D	
1	F	F	F	F	**1**
2					**2**
3	F	F	F	F	**3**
4					**4**
5	B	F	F	B	**5**
6					**6**
7	B	F	F	B	**7**
8					**8**
R1	COIL			COIL	**R2**
R3					**R4**

12F 4B

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

iQN1

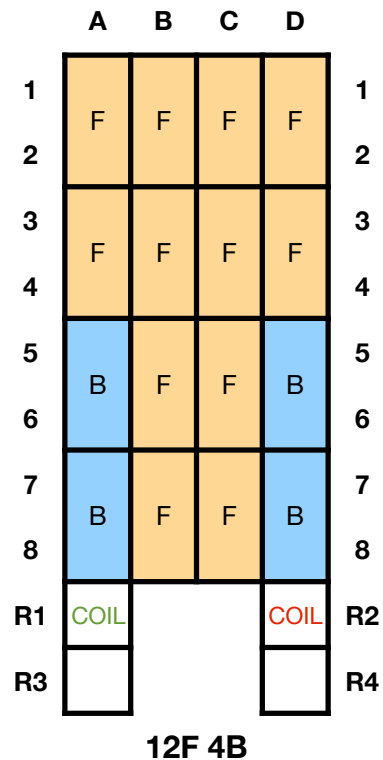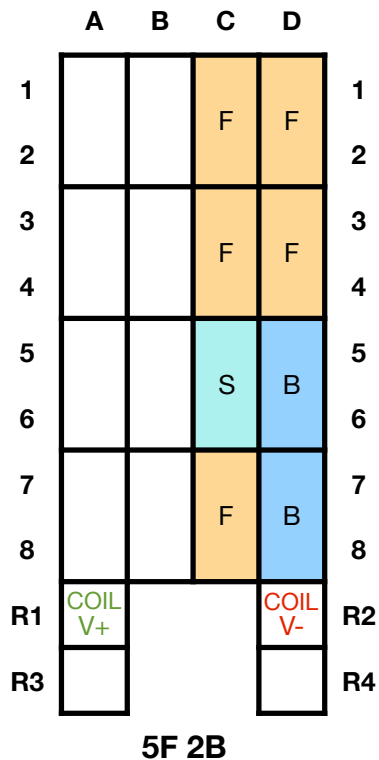## FEATURES:

- 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

	A	B	C	D	
1	F	F	F	F	1
2					2
3	F	F	F	F	3
4					4
5	B	F	F	B	5
6					6
7	B	F	F	B	7
8					8
R1	COIL			COIL	R2
R3					R4

12F 4B

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.

	A	B	C	D	
1			F	F	1
2			F	F	2
3			F	F	3
4			F	F	4
5			S	B	5
6			S	B	6
7			F	B	7
8			F	B	8
R1	COIL V+			COIL V-	R2
R3					R4

5F 2B

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.

SELECTRAIL

TIMER
8.8.8.

STATUS

D		A
●	SOLID = PICKED	●
○	NO LIGHT = DROPPED	○
✳	BLINKING = FAULT	✳

SELECTRAIL
www.selectrail.com
Style iQSELECT-2   Volts 50VDC
Contacts: 5F 2B
Code: BDFHX   Spec:
Date: 02-Dec-22
SER No.: iQ10000130

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®

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