



August, 1986
Supersedes 41-347
Dated October, 1976
Mailed to: E, D, C/41-400B

In FT-31, FT-41 and FT-42
Flexitest Case^①

Types HU, HU-1 and HU-4 Differential Relay

HU Relay

Complete Relay Style Number	Frequency (Hz)	Contact Arrangement	ICS or ACS Rating (Amps)	Polar Element ^⑥ (Upper)	Polar Element ^⑥ (Lower)	Reactor ^⑥ (URR)	Reactor ^⑥ (ULR)	Reactor ^⑥ (MLF)
1962 553	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
1962 879	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
1963 125	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
1963 168	50	SPST	0.2-2.0	289B216G47	774B625G12	289B189G03	289B189G05	289B189G04
290B346A09	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
290B346A11	50	SPST	0.2-2.0	289B216G47	774B625G12	289B189G03	289B189G05	289B189G04
290B346A16	60	SPST	0.5	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
290B346A21	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
290B346A23	50	DPST	0.2-2.0	290B084G18	774B625G14	289B189G03	289B189G05	289B189G04
290B346A25	60	DPST	1.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
290B346A26	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
290B346A29	60	SPST	1.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
290B346A31	60	DPST	1.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
290B346A37	60	SPST	1.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
775B100A09	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
775B100A11	50	SPST	0.2-2.0	289B216G20	774B625G12	289B189G18	289B189G05	289B189G04
775B100A14	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
775B100A16	60	SPST	0.5	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
775B100A17	50	SPST	0.2-2.0	289B216G20	774B625G12	289B189G18	289B189G05	289B189G04
775B100A21	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
775B100A23	50	DPST	0.2-2.0	290B084G18	774B625G14	289B189G03	289B189G05	289B189G04
775B100A25	60	DPST	1.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
775B100A26	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
775B100A28	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01

HU-1 Relay

Complete Relay Style Number	Frequency (Hz)	Contact Arrangement	ICS or ACS Rating (Amps)	Polar Element ^⑥ (Upper)	Polar Element ^⑥ (Lower)	Reactor ^⑥ (URR)	Reactor ^⑥ (ULR)	Reactor ^⑥ (MLF)
1957 938	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
290B346A10	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
290B346A12	50	SPST	0.2-2.0	289B216G47	774B625G12	289B189G03	289B189G05	289B189G04
290B346A13	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
290B346A19	50	SPST	0.2-2.0	289B216G47	774B625G12	289B189G03	289B189G05	289B189G04
290B346A22	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
290B346A24	50	DPST	0.2-2.0	290B084G18	774B625G14	289B189G03	289B189G05	289B189G04
290B346A27	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
290B346A30	60	SPST	1.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
290B346A38	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
775B100A10	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
775B100A12	50	SPST	0.2-2.0	289B216G20	774B625G12	289B189G18	289B189G05	289B189G04
775B100A13	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
775B100A15	60	SPST	0.2-2.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01
775B100A19	50	SPST	0.2-2.0	289B216G20	774B625G12	289B189G18	289B189G05	289B189G04
775B100A22	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
775B100A24	50	DPST	0.2-2.0	290B084G18	774B625G14	289B189G18	289B189G05	289B189G04
775B100A27	60	DPST	0.2-2.0	774B625G24	774B625G20	289B189G03	289B189G02	289B189G01
775B100A29	60	SPST	1.0	289B216G47	774B625G18	289B189G03	289B189G02	289B189G01

HU-4 Relay

Complete Relay Style Number	Frequency (Hz)	Contact Arrangement	ICS or ACS Rating (Amps)	Polar Element ^⑥ (Upper)	Polar Element ^⑥ (Lower)	Reactor ^⑥ (URR)	Reactor ^⑥ (ULR)	Reactor ^⑥ (MRR)
292B804A20	50	DPST	0.2-2.0	290B084G18	774B625G14	289B189G07	289B189G05	289B189G03
292B804A21	50	DPST	0.2-2.0	290B084G18	774B625G14	289B189G07	289B189G05	289B189G03
292B804A22	60	DPST	0.2-2.0	290B084G18	774B625G07	289B189G06	289B189G02	289B189G03
292B804A23	60	DPST	0.2-2.0	290B084G18	774B625G07	289B189G06	289B189G02	289B189G03
292B804A24	60	DPST	1.0	290B084G18	774B625G07	289B189G06	289B189G02	289B189G03
292B804A25	50	DPST	1.0	290B084G18	774B625G14	289B189G07	289B189G05	289B189G03
292B804A26	60	DPST	0.2-2.0	290B084G18	774B625G07	289B189G06	289B189G02	289B189G03
775B101A20	50	DPST	0.2-2.0	290B084G18	774B625G14	289B189G07	289B189G05	289B189G03
775B101A21	50	DPST	0.2-2.0	290B084G18	774B625G14	289B189G07	289B189G05	289B189G03
775B101A22	60	DPST	0.2-2.0	290B084G18	774B625G07	289B189G06	289B189G02	289B189G03
775B101A23	60	DPST	0.2-2.0	290B084G18	774B625G07	289B189G06	289B189G02	289B189G03
775B101A24	60	DPST	1.0	290B084G18	774B625G07	289B189G06	289B189G02	289B189G03
775B101A25	50	DPST	1.0	290B084G18	774B625G14	289B189G07	289B189G05	289B189G03
775B101A26	60	DPST	0.2-2.0	290B084G18	774B625G07	289B189G06	289B189G02	289B189G03

^① For Flexitest Case Parts refer to RPD 41-076A1.

^⑥ The polar element and reactor style numbers are stamped on their frames.

Ordering Information

- Give style number and name of part.
- Give the complete nameplate reading.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the company.

Resistor

Description	Style Number
33 Ohms Wire Wound Fixed	184A636H19
33 Ohms Enameled Wire Wound Fixed	763A127H16
68 Ohms Enameled Wire Wound Fixed	763A127H18
750 Ohms 3.5 Inch Adj.	1730 745
1900 Ohms 2 Inch Tapped	11D9511H10

ICS Unit②

Rating (Amps)	Target Markings	Style Number	
		Single Trip	Double Trip
.2-2.0	T	3491A37G09	3491A37G10
1.0	T	3491A37G35	3491A37G31

ACS Unit②

Rating (Amps)	Target Markings	Style Number	
		Single Trip	Double Trip
0.5	T	3491A39G09	
1.0	T	3491A39G20	3491A39G19
1.0	U	3491A39G10	

IIT Unit②

Rating (Amps)	Target Markings	Style Number	
		Single Trip	Double Trip
0.3	1	3491A26G10	3491A31G11

② For ICS, ACS and IIT unit parts refer to RPD 41-852A1.



August, 1986
New Information
Mailed to: E, D, C/41-400B

In FT-21 and FT-31 Flexitest Case^①

Type HRU Instantaneous Overcurrent Relay With Harmonic Restraint

HRU Relay in FT-21 Case

Complete Relay Style Number	Rating (Amps)	Frequency (Hz)	ICS Rating (Amps)	IT Rating (Amps)	Style Number of Part	
					ICS Unit ^②	IT Unit ^②
292B024A09	4	60	0.2-2.0	4-16	3491A37G17	3491A28G10
292B024A10	2	60	0.2-2.0	1-4	3491A37G17	3491A29G15
292B024A11	.87	60	0.2-2.0	1-4	3491A37G17	3491A29G15
292B024A12	.87	60	0.2-2.0	20-80	3491A37G18	3491A28G14
292B024A13	4	50	0.2-2.0	4-16	3491A37G17	3491A28G10
292B024A14	.87	60	0.2-2.0	4-16	3491A37G17	3491A28G10
292B024A15	.87	50	0.2-2.0	20-80	3491A37G17	3491A28G14
292B024A16	.87	60	0.2-2.0	1-4	3491A37G18	3491A29G15
292B024A17	.87	60	0.2-2.0	20-80	3491A37G17	3491A28G14
292B024A18	.87	60	0.2-2.0	4-16	3491A37G17	3491A28G10
292B024A19	.87	60	0.2-2.0	1-4	3491A37G17	3491A29G15

HRU Relay in FT-31 Case

Complete Relay Style Number	Rating (Amps)	Frequency (Hz)	ICS or ACS Rating (Amps)	IT Rating (Amps)	Style Number of Part			
					ICS or ACS Unit ^②	IT Unit ^② (U.L.H.)	IT Unit ^② (U.R.H.)	IT Unit ^② (L.L.H.)
670B109A09 ^⑥	.87	60	0.2-2.0	20-80	3491A37G18	3491A29G09	3491A29G18	3491A29G09
670B109A10 ^⑥	.87	60	0.2-2.0	4-16	3491A37G18	3491A28G20	3491A28G19	3491A28G10
670B109A11 ^⑥	.87	60	0.2-2.0	4-16	3491A37G17	3491A28G20	3491A28G19	3491A28G10
670B109A12	.87	60	0.2-2.0	20-80	3491A37G18	3491A29G09	3491A29G18	3491A28G14
670B109A13 ^⑥	.87	60	0.2-2.0	2-8	3491A37G18	3491A28G12	3491A28G21	3491A29G11
670B109A14	.87	60	0.2-2.0	1-4	3491A37G18	3491A29G15	3491A29G10	3491A29G15
670B109A15 ^⑥	.87	50	0.2-2.0	20-80	3491A37G18	3491A29G09	3491A29G18	3491A29G09
670B109A16	.87	60	1.0	4-16	3491A39G19	3491A28G20	3491A28G19	3491A28G10
670B109A17	.87	60	1.0	20-80	3491A37G24	3491A29G09	3491A29G18	3491A28G14

- ① For Flexitest Case Parts refer to RPD 41-076A1.
② For ICS, ACS and IT unit parts refer to RPD 41-852A1.
⑥ HRU contact is closed in this relay style.

Ordering Information

- Give style number and name of part.
- Give the complete nameplate reading.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the company.

Transformer

Rating (Amps)	Style Number
.87	292B023G03
.87	411C639G01 ⑤
2	292B023G02
4	292B023G01

Reactor ④

Frequency (Hz)	Style Number
60	289B189G01
60	289B189G02
60/50	289B189G03
50	289B189G04
50	289B189G05

④ The polar element and reactor style numbers are stamped on their frames.

⑤ Used in relay styles starting with 670B109 only.