

RELAYS

POWER INDUSTRIAL RELAYS

Features small size and light weight high reliability, long service life FRM3 and FRM3W cover load from 5A up to 15A on 1, 2 and 4 poles. Strong construction for vibration and shock. UL Approved

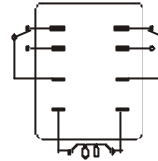
- Arrangement - 1C (SPDT) 2C (DPDT) 4C (4PDT)
- Contact Rating - 2C 10A DC28V / 5A AC240V
4C : 3A AC240V
- Contact Voltage Drop - Less than 200mV (normal value)
Less than 500mV (max value)
- Operate Time - 20ms max
- Release Time - 20ms max
- Operating Frequency - 10 ops. Per min
- Insulation Resistance - 100M Ohm at 500VDC
- Dielectric Strength - 700V between open contact
1500V between coil and contact
- Vibration - 10 to 55 Hz, 0.35mm simple amplitude
- Shock - 15gr. Approx.
- Temperature Range - -10°C to +55°C
- Operational Life - Mechanical : 10⁷
Electrical : 10⁵
- Weight - 35gr. Approx.

Forward Industrial Company

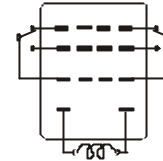


Length - 28.0
Height - 35.0
Width - 21.5

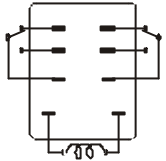
- Small size and lightweight
- High reliability and long service life
- Strong construction for vibration and shock
- High switching capacity



2 Form C
5A



4 Form C
5A



2 Form C
10A

Part Number	Coil Voltage	Rating	Style
FRM3-2BDC12	12VDC	5A	2 Form C
FRM3-2BDC24	24VDC	5A	2 Form C
FRM3-2BDC48	48VDC	5A	2 Form C
FRM3-2BAC240	240VAC	5A	2 Form C

Part Number	Coil Voltage	Rating	Style
FRM3W-2BDC12	12VDC	10A	2 Form C
FRM3W-2BDC24	24VDC	10A	2 Form C
FRM3W-2BAC24	24VAC	10A	2 Form C
FRM3W-2BAC240	240VAC	10A	2 Form C

Other voltages available upon request. Also available with PCB pins

RELAY SOCKETS

Din Mount Sockets (with Clips)



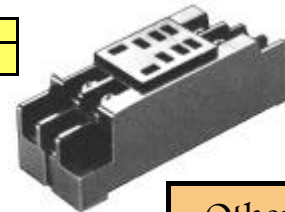
Part Number
HC2-PS



Part Number
HL2-PS



Part Number
PTF08A



Part Number
PTF10A

Other types
Also available

FUJITSU & TAKAMISAWA RELAYS COMPARISON CHART

*PIN TO PIN COMPATIBLE

Part Number	Rating (A)	No. Of Poles	Coil Power	LxBxH (mm)	National	Omron	Original	NEC	Pott&Brum	Siemens	AZ
FBR20	1	1C	300	10x7.6x10	HY1	G2E					
FBR20H	1	1C	200	10x7.6x10	HB1	G2E					
FBR210	1	1C	200,450	15.6x10.6x10.8	DS1*	G6E*					
FBR10	1	2C	140,200	7.2x14.6x9.7	TW2*	G6N*		EC2*			AZ846
FBR46	1	2C	150,200	16x9.9x8	DF2*	G5A*	ORZ	MR602	T85	V23042	
FBR240	1	2C	500	20x9.6x10	DS2*	G6A*	ORZ*	MR602*	T85*	V23042*	AZ820*
SY,SZ	1	1C	150	12.5x9.5x7.4	HY1*	GSO,G5V1			T81*		
MZ	1	1C	450,500	15.4x11.4x11	DS1*	G6E*					AZ5
A	1	2C	100-300	14x9x5	TO2*	G6H*	SDM	EA2*			AZ845
AS	1	2C	100-300	14x9x6.5	TO2SD*						
NA	1	2C	100-300	7.4x14.9x9.7	TW2*	G6N*		EC2*			
NAS/BR18	1	2C	100-300	14.9x10x7.4	TW2S*	G6S-F					
BA	1	2C,2D	200-360	7.4x14.9x9.8	TX2*	G6S-F		EE2			
RA	1	2C	75-200	35.4x20.2x10	DS2*	G2VN/G5	ORZ	MR602	T85*	V23042	AZ830*
RA4	1	2C,4C	90-200	20x9.9x10.1	DS4*			MR604	T84*		AZ830*
RY,RZ	1	2D,2C	150-580	20.2x9.8x12.5	DS2*	G6A*	ORZ*	MR602*	T85*	V23042	AZ830*
RY-D	0.5	2D,2C	450-480	20.2x9.8x12.5							
LZ	1,3,5,10	1A,1C	330-450	21.4x16.4x14.8	JE-X	G8S	OUD		Y74		AZ8*
FBR100	3.6	1A,1C	360,500	21.5x17x23.5	JS*	G5L*	SRUH*	MR301*			AZ4*
FBR160	3.5	1A,1C	360,500	22.5x16.5x16.5	JS*	G5L*	SRUH*	MR301*			AZ4*
FBR610	10	1A,1C	500	29x13x25	JW*	G2R*	OMI-SS*	MR71*			AZ690*
FBR620	5	2A,2C	500	29x13x25	JW*	G2R*	OMI-SS*	MR72*			AZ2735
JS	8	1A,1C	220-290	29x10x12.5	DK						
JY	3.5	1A	200,360	20.2x10x12.8	PO*	G6B*	G6B*	OUA			
MAT	1,3,5,10	2A,2C,4A,4C	900	27.5x21	HC,HL*						
VH	16	1A	900	30.1x18	JM*						
VS,FTRH	10,15	1A,1C	530-750	29.2x12.9x25.3	JW*,JR*	G2R*	OMI-SS*	MR71*	RKA		AZ690
VS	16	1A,1C	530-750	29.2x12.9x25.3	JR*	G2RE*		MR71*	RKA	V23056	AZ735
VB,FTRF	5	2A,2C	530-750	29.2x12.9x25.3	JW*	G2R*	OMI-SH	MR72*	RKA	V23037	
VF	20,25,30	1A	1200	50x32.2x24.1	HE	G5D			KR-3		