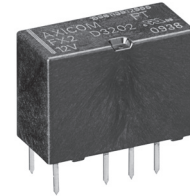


FX2 Relay

- Slim line 15x7.3mm (.590x.287")
- 2 form C bifurcated contacts (2 CO), switching current 2A
- High sensitivity for low power consumption, 80mW/140mW
- High dielectric characteristic, up to 2100Vrms between open contact
- High surge capability (1.2/50µs and 10/700µs) meets Telcordia GR 1089 and FCC Part 68, up to 2900V between open contacts, up to 6000V between coil and contacts
- High mechanical shock, up to 1500g survival
- Hermetically sealed (RT V)



Typical applications

Communications equipment, linecard application - analog, ISDN, xDSL, PABX, voice over IP, office and business equipment, measurement and control equipment, consumer electronics, set top boxes, HiFi, medical equipment

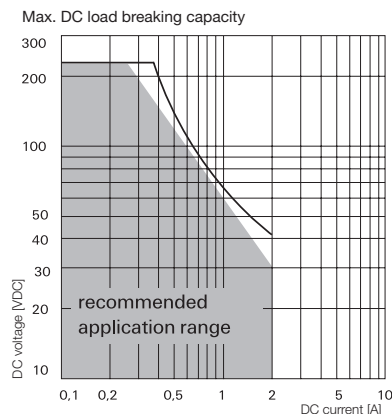
Approvals

UL 508 File No. E 111441

Technical data of approved types on request

Contact Data

Contact arrangement	2 form C (CO)
Max. switching voltage	220VDC, 250VAC
Rated current	2A
Limiting continuous current	2A
Switching power	60W, 62.5VA
Contact material	PdRu, Au covered
Contact style	bifurcated contacts
Min. recommended contact load	100µV/1µA
Initial contact resistance	<70mΩ
Thermoelectric potential	<10µV
Operate time	typ. 3ms, max. 4ms
Release time	
without diode in parallel	typ. 1ms, max. 3ms
with diode in parallel	typ. 3ms, max. 4ms
Set/reset time min.	20ms
Bounce time max.	typ. 1ms, max. 5ms
Electrical endurance	
at contact application 0	
(≤ 30mV / ≤ 10mA)	min. 2.5x10 ⁶ operations
cable load open end	min. 2.0x10 ⁶ operations
resistive, 24V / 1.25A - 30W	min. 5x10 ⁵ operations
resistive, 30VDC / 2A - 60W	min. 5x10 ⁵ operations
resistive, 125VDC / 0.24A - 30W	min. 5x10 ⁵ operations
UL contact rating	30VDC, 2A, 60W
	125VDC, 0.5A, 62.5W
	120VDC, 1.25A, 150W
Mechanical endurance	100x10 ⁶ operations



Coil Data

Magnetic system	polarized, monostable, bistable
Coil voltage range	3 to 48VDC
Max. coil temperature	125°C.
Thermal resistance	<165K/W

Coil versions, monostable

Coil code	Rated voltage VDC	Operate voltage VDC	Limiting voltage VDC	Release voltage VDC	Coil resistance Ω±10%	Rated coil power mW
Standard version, monostable, 1 coil						
06	3	2.10	6.30	0.30	64	140
07	4	2.80	8.40	0.40	114	140
04	4.5	3.15	9.40	0.45	145	140
09	5	3.50	10.50	0.50	178	140
05	6	4.20	12.60	0.60	257	140
10	9	6.30	18.90	0.90	574	140
02	12	8.40	25.20	1.20	1028	140
12	24	16.80	42.20	2.40	2880	200
13	48	33.60	68.90	4.80	7680	300

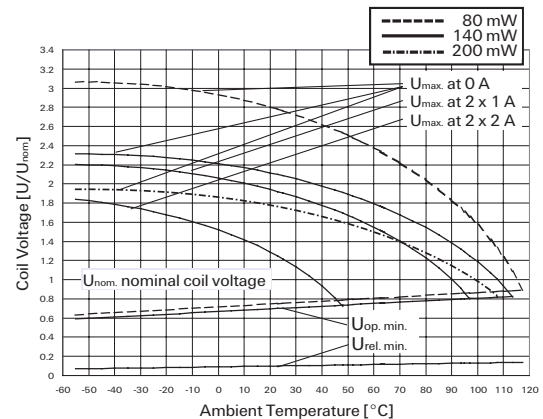
High sensitive version, monostable, 1 coil

21	3	2.10	8.30	0.30	113	80
22	4.5	3.15	11.10	0.45	253	80
23	5	3.50	12.50	0.50	313	80
24	6	4.20	13.90	0.60	450	80
25	9	6.30	16.70	0.90	1013	80
26	12	8.40	33.40	1.20	1800	80
27	24	16.80	50.40	2.40	4114	140
28	48	36.00	70.00	4.80	8882	260

High dielectric version, monostable, 1 coil

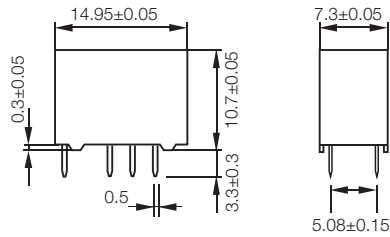
91	3	2.25	6.3	0.30	45	200
92	4.5	3.15	9.45	0.45	101	200
96	12	8.40	25.2	1.20	720	200

All figures are given for coil without pre-energization, at ambient temperature +23°C.

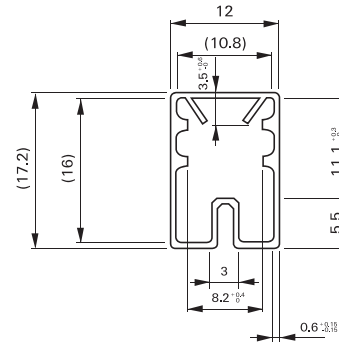


FX2 Relay (Continued)

Dimensions



Packing



Product code structure

Typical product code **D32 04**

Type

D32 Signal Relays FX2
2 form C, 2 CO

Coil

Coil code: please refer to coil versions table
Performance and coil type
0x,1x Standard version, monostable
2x High sensitive version, monostable
4x Standard version bistable
9x High dielectric version, monostable
6x High dielectric version, bistable

Product code	Arrangement	Perf. type	Coil type	Coil	Part number
D3206	2 form C (2 CO)	Standard	Monostable	3VDC	1462034-6
D3207				4VDC	1462034-8
D3204				4.5VDC	1462034-2
D3209				5VDC	1462034-9
D3205				6VDC	1462034-5
D3210				9VDC	1-1462034-3
D3202				12VDC	1462034-1
D3212				24VDC	1-1462034-4
D3213				48VDC	1-1462034-5
D3221	2 form C (2 CO)	High sensitive	Monostable	3VDC	1-1462034-9
D3222				4.5VDC	2-1462034-0
D3223				5VDC	2-1462034-1
D3225				9VDC	2-1462034-3
D3226				12VDC	2-1462034-4
D3227				24VDC	2-1462034-5
D3228				48VDC	2-1462034-6
D3241	2 form C (2 CO)	Standard	Bistable	3VDC	2-1462034-8
D3242				4.5VDC	2-1462034-9
D3243				5VDC	3-1462034-0
D3246				12VDC	3-1462034-3
D3247				24VDC	3-1462034-4
D3291	2 form C (2 CO)	High dielectric	Monostable	3VDC	6-1462034-6
D3292				4.5VDC	6-1462034-8
D3296				12VDC	6-1462034-7
D3262				4.5VDC	6-1462034-3

This list represents the most common types and does not show all variants covered by this data sheet.
Other types on request