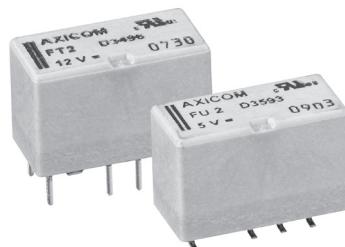


FT2/FU2 Relay

- **Telecom/signal relay (dry circuit, test access, ringing)**
- **Slim line 15x7.5mm (.59x.295")**
- **Switching current 2A**
- **2 form C bifurcated contacts (2 CO)**
- **High sensitive 24V and 48V coil versions**
- **Meets Telcordia GR 1089, FCC Part 68 and ITU-T K20, $\geq 2500V$ between coil and contacts**

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

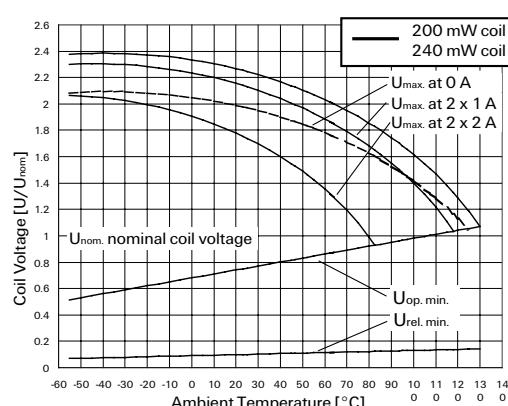
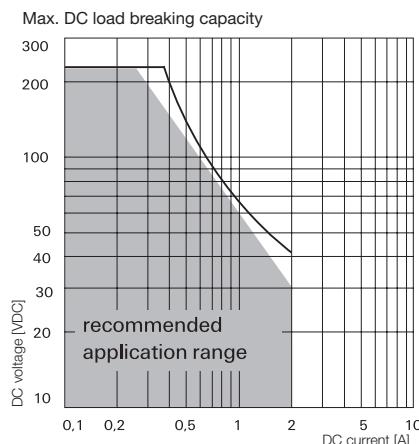

Approvals

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	twin contacts
Min. recommended contact load	100 μ V/1 μ A
Initial contact resistance	<70m Ω
Thermoelectric potential	<10 μ V
Operate time	typ. 3ms, max. 5ms
Release time	typ. 2ms, max. 5ms
without diode in parallel	typ. 4ms, max. 5ms
with diode in parallel	typ. 1ms, max. 5ms
Bounce time max.	
Electrical endurance	
at contact application 0 ($\leq 30mV/\leq 10mA$)	min. 2.5×10^6 operations
cable load open end	min. 2.0×10^6 operations
resistive, 24V / 1.25A - 30W	min. 1×10^5 operations
resistive, 30VDC / 2A - 60W	min. 1×10^5 operations
resistive, 125VDC / 0.24A - 30W	min. 1×10^5 operations
Contact ratings, UL contact rating	220VDC, 0.24A, 60W 125VDC, 0.24A, 30W 250VAC, 0.25A, 62.5VA 125VAC, 0.5A, 62.5VA 30VDC, 2A, 60W
Mechanical endurance	100x 10^6 operations

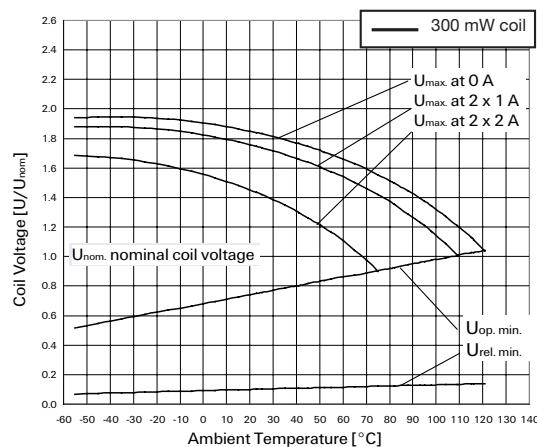


FT2/FU2 Relay (Continued)
Coil Data (continued)
Coil versions, monostable

Coil code	Rated voltage VDC	Operate voltage VDC _{min.}	Limiting voltage VDC _{max.}	Release voltage VDC _{min.}	Coil resistance $\Omega \pm 10\%$	Rated coil power mW
High dielectric Australia version, monostable						
71	3	2.25	5.50	0.30	30	300
73	5	3.75	9.20	0.50	83	300
76	12	9.00	22.10	1.20	480	300

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

Other coil voltages on request.



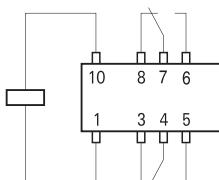
U_{max} upper limit of the operative range of the coil voltage (limiting voltage) when coils are continuously energized

$U_{op. min}$ lower limit of the operative range of the coil voltage (reliable operate voltage)

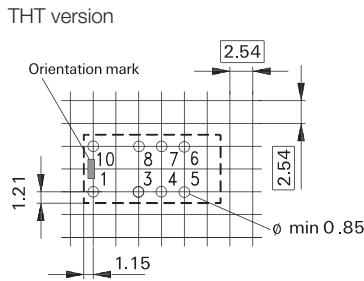
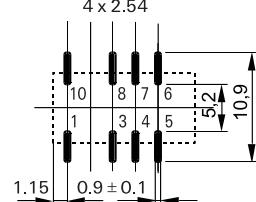
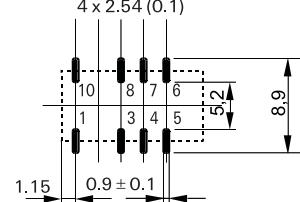
$U_{rel. min}$ lower limit of the operative range of the coil voltage (reliable release voltage)

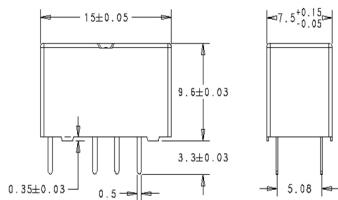
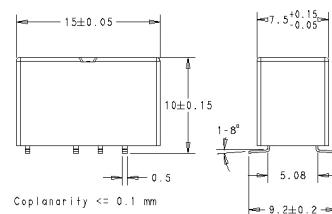
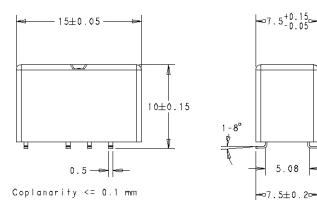
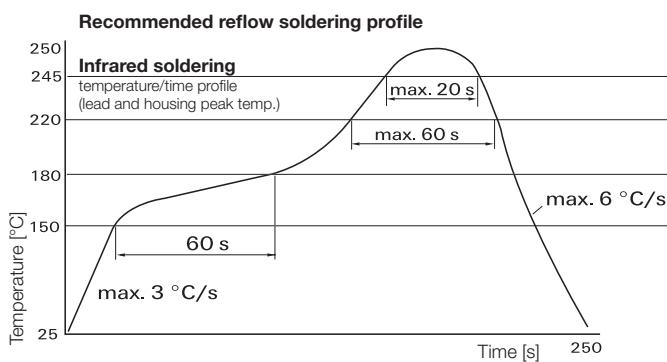
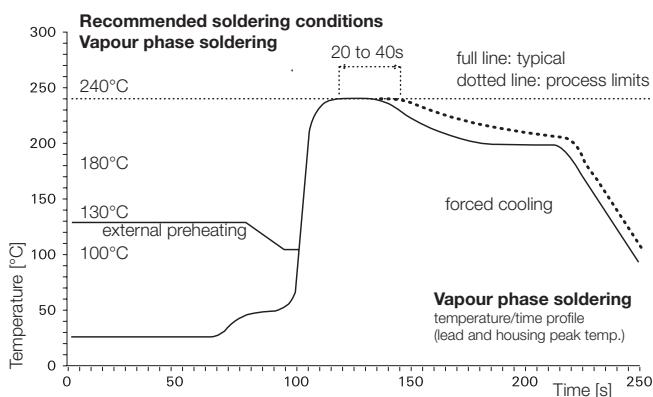
Terminal assignment

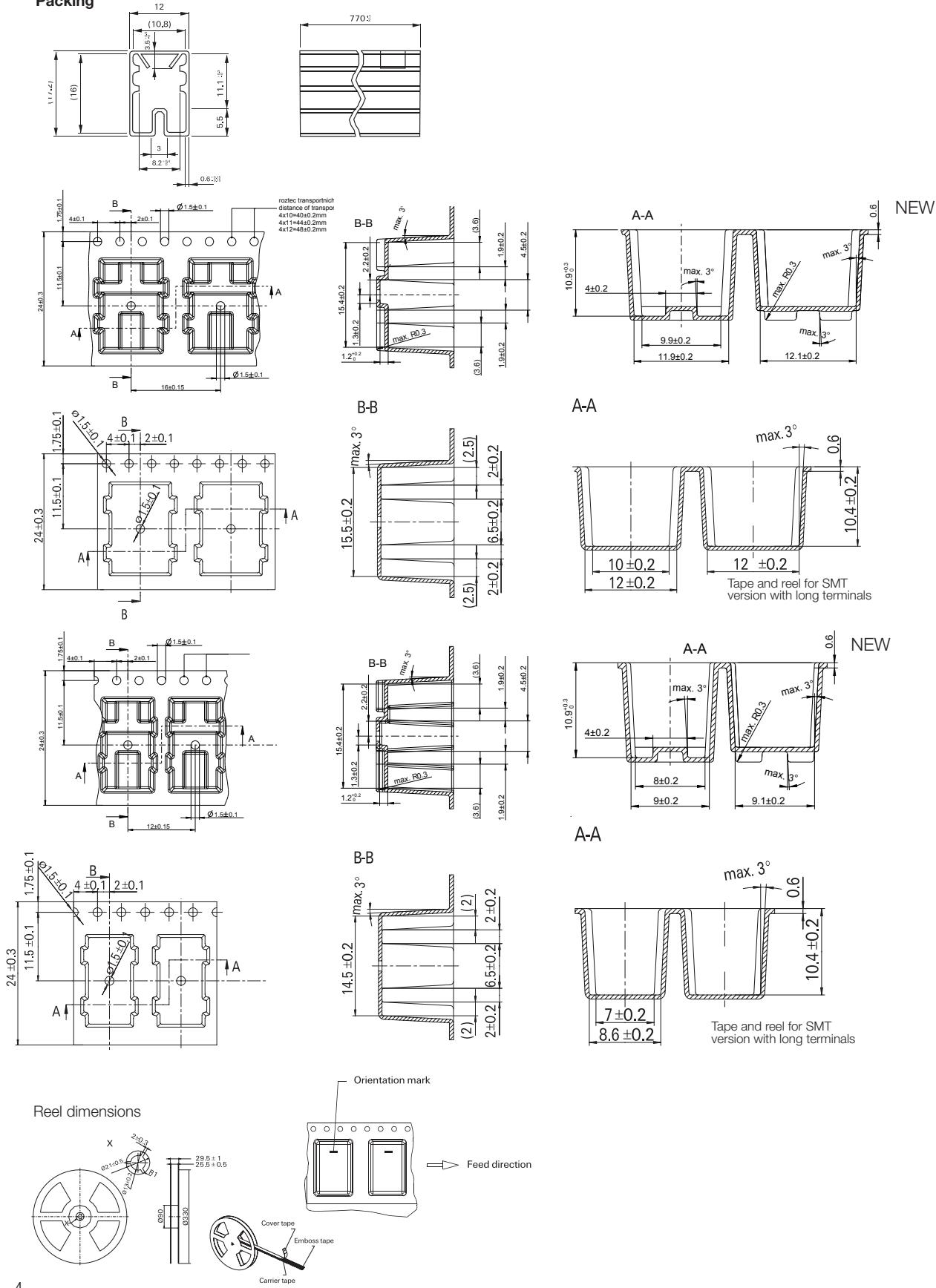
TOP view on component side of PCB


PCB layout

TOP view on component side of PCB


SMT, long terminals

SMT, short terminals


FT2/FU2 Relay (Continued)
Dimensions
THT version

SMT, long terminals

SMT, short terminals

Processing


FT2/FU2 Relay (Continued)
Packing


FT2/FU2 Relay (Continued)

Product code structure

Typical product code

Type	D34 Signal Relays FT2 (THT) D35 Signal Relays FU2 (SMT) 2 form C, 2 CO	D34	02
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Coil	Coil code: please refer to coil versions table Performance and coil type 2x Standard version, monostable 9x High dielectric version, monostable 7x High dielectric, Australia version, monostable (SMT version only)		
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Terminals	Blank THT, Standard packaging L THT, dry-pack (on request) N SMT, short pins W SMT, long pins		
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Product code	Arrangement	Perf. type	Coil type	Coil	Terminals	Part Number
D3421	2 form C (2 CO)	Standard	Monostable	3VDC	THT	1462035-9
D3423				5VDC		1-1462035-1
D3426				12VDC		1-1462035-4
D3427				24VDC		1-1462035-7
D3523N	2 form C (2 CO)	Standard	Monostable	5VDC	SMT short	2-1462036-1
D3527N				24VDC		2-1462036-9
D3528N				48VDC		9-1462036-3
D3521W	2 form C (2 CO)	Standard	Monostable	3VDC	SMT long	1-1462036-8
D3522W				4.5VDC		2-1462036-0
D3523W				5VDC		2-1462036-2
D3526W				12VDC		2-1462036-8
D3527W				24VDC		9-1462036-1
D3491	2 form C (2 CO)	High dielectric	Monostable	3V	THT	2-1462035-0
D3492				4.5VDC		2-1462035-1
D3493				5V		1-1462035-5
D3496				12VDC		2-1462035-4
D3497				24VDC		2-1462035-5
D3491L				3VDC		2-1462035-7

Other types on request

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