

- DPCO subminiature relay fully sealed to **IP67**
- Gold plated crossbar contacts ensure maximum reliability
- Insertion loss below 0.1dB at 100MHz
- Sealed to **IP67**
- **UL** Recognised and **CSA** approved
- Surface mount version available

Contact arrangement	DPCO, bifurcated contacts
Contact rating	0.5A @ 125V ac, 1A @ 30V dc
Switched current range	10µA - 1A
Switched voltage range	10mV - 125V
Max. power	300W/100VA
Contact material	Silver, Gold plated
Coil consumption (nom.)	140mW (non latching), 200mW (latching)
Operate/Release	3ms/3ms
Coil operating range	75 - 130% @ 40°C
Temperature range	-40°C to +70°C (PCB type) -40°C to +85°C (SM type)

207158

COIL	Volts	Ω	Order Code	Price Each				
				1+	25+	50+	100+	+
DPCO - TQ2 Series								
5V dc	178		117-5716	258.00	232.00	215.00	196.00	--
12V dc	1028		120-0949	295.00	265.00	245.00	226.00	--
24V dc	2880		117-5717	293.00	264.00	253.00	212.00	--
Latching DPCO - TQ2-L2 Series								
5V dc	125+125		117-5718	322.00	290.00	268.00	247.00	--
12V dc	720+720		117-5719	540.00	460.00	382.00	284.00	--
24V dc	1920+1920		117-5720	344.00	309.00	286.00	263.00	--
Surface Mount - DPCO - TQ2SA Series								
5V dc	178		SMD 112-4054	353.00	304.00	289.00	255.00	--
12V dc	1028		SMD 112-4056	353.00	314.00	289.00	265.00	--
24V dc	2880		SMD 112-4057	465.00	408.00	360.00	308.00	--
Surface Mount - Latching DPCO - TQ2SA-L2 Series								
5V dc	178+178		SMD 625-760	471.00	407.00	380.00	347.00	--
12V dc	1028+1028		SMD 112-4058	462.00	406.00	357.00	329.00	--
24V dc	2880+2880		SMD 625-784	562.00	490.00	432.00	390.00	--

Subminiature - High Sensitivity - TX2 Series
PCB and Surface Mount



L=15, W=7.4, H=8.2 PCB hole dia=1.0
Pin Spacing=2.54

- High contact capacity : 2A 30V dc
- High coil/contact breakdown voltage 2kV
- High insulation version conforming to **EN41003** available
- Surface mount versions available with gull wing contacts

Contact arrangement	DPCO	Operate/Release	4ms/4ms
Contact rating	2A @ 30V dc, 0.5A @ 125V ac	Coil operating range	75 - 150%
Max. switching power (res)	60W	Temperature range	-40°C to +85°C
Min. switching capability	10µA - 10mV dc		
Contact material	Silver alloy, Gold clad		
Coil consumption (nom.)	Non-Latching: 140mW Latching: 200mW		

207013

COIL	Volts	Ω	Order Code	Price Each				
				1+	25+	50+	100+	+
DPCO - TX2 Series								
5V dc	178		120-0950	415.00	362.00	319.00	292.00	--
12V dc	1028		120-0952	415.00	362.00	319.00	292.00	--
24V dc	4114		112-4059	406.00	347.00	306.00	259.00	--
Surface Mount - DPCO - TX2SA Series								
5V dc	178		120-0957	382.00	359.00	328.00	288.00	--
12V dc	1028		910-480	372.00	343.00	314.00	255.00	--
Latching DPCO - TX2-L2 Series								
5V dc	125+125		625-826	337.00	324.00	301.00	300.00	--
12V dc	720+720		112-4060	337.00	306.00	280.00	268.00	--
24V dc	2880+2880		112-4061	393.00	357.00	327.00	304.00	--

BT53 Approved, High Sensitivity - DF2 Series



L=16.0, W=9.9, H=7.0

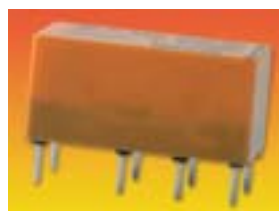
- DPCO contacts
- Fully sealed
- Ideal for high density packing in telecom switching
- **BT Type 53** approval
- Permanent magnet construction, coil polarity must be observed
- Vent hole can be pierced for maximum contact life

Contact arrangement	DPCO	Operate/Release	5ms/5ms
Coil consumption (nom.)	200mW	Coil operating range	70 - 140%
Max. switched power	30W/30VA	Temperature range	-25°C to +70°C
Max. switched current	1A		
Max. switched voltage	125V dc/V ac		
Contact material	Silver, Gold clad		

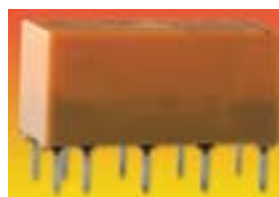
206945

British Telecom Code	COIL Volts	Ω	Order Code	Price Each			
				1+	25+	+	+
DPCO - DF2 Series							
53/1	4.5V dc	101	280-525	256.00	254.00	--	--
53/3	12V dc	720	280-537	272.00	271.00	--	--
53/5	24V dc	2880	280-549	272.00	271.00	--	--

Subminiature - DS2ES/DS2ESL2 Series
Latching/Non-latching

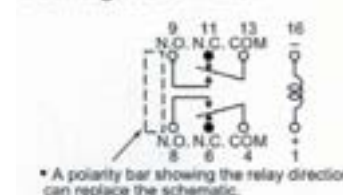


H=9.8, W=20, D=9.9mm
S Series - Single Side Stable

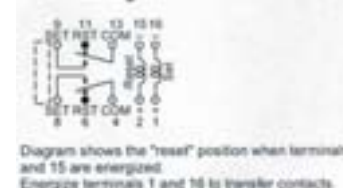


SL2 Series - 2 Coil Latching
H=9.8, W=20, D=9.9mm

Schematic (Bottom view)
Single side stable
Deenergized condition



2 coil latching



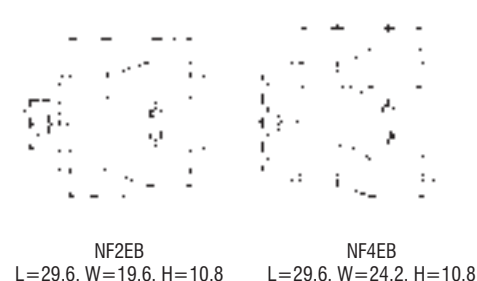
- High sensitivity
- High switching capacity
- High breakdown voltage
- Can be used with 16 pin IC socket
- **UL** Recognised, **CSA** & **BSI** approved

Contact arrangement	DPCO	Coil consumption	200mW Single Sided 180mW 2 Coil
Switching voltage max.	220V dc, 250V dc	Operate/Release	3ms/2ms
Switching power max.	60W/125VA	Breakdown voltage	1500V FCC (between open contacts)
Carrying current max.	3A ac & dc	Temperature range	-40°C to +70°C
Contact material	Silver, Gold clad		

272334

COIL	Volts	Ω	Order Code	Price Each				
				1+	25+	50+	100+	+
DPCO (2 Form C) - DS2E-S Series								
5V	125		438-9920	836.00	658.00	575.00	523.00	--
12V	720		438-9931	836.00	658.00	575.00	523.00	--
24V	2880		438-9943	836.00	658.00	575.00	523.00	--
2 coil latching DPCO (2 Form C) - DS2E-SL2 Series								
5V	139+139		438-9955	1,020.00	801.00	688.00	604.00	--
12V	800+800		438-9967	1,020.00	801.00	688.00	604.00	--
24V	3200+3200		438-9979	1,020.00	801.00	688.00	604.00	--

Low Profile - NF2EB/4EB Series
Sealed



NF2EB L=29.6, W=19.6, H=10.8
NF4EB L=29.6, W=24.2, H=10.8

- DPCO and 4PCO contacts
- Fully sealed
- **UL** Recognised
- **CSA** and **VDE** approved
- Fully sealed

Contact arrangement	DPCO/4PCO	Operate/Release	15ms/10ms
Contact rating	2A @ 30V dc, 50V ac	Coil operating range	70 - 175%
Contact material	Silver, Gold clad	Temperature range	-40°C to +65°C
Coil consumption	DPCO 290mW 4PCO 400mW		

207103

COIL	Volts	Ω	Order Code	Price Each				
				1+	50+	100+	250+	+
DPCO - NF2EB Series								
12V dc	500		120-0946	939.00	846.00	782.00	719.00	--
24V dc	2000		117-5714	742.00	713.00	664.00	598.00	--
Latching DPCO - NC2D Series								
12V dc	180 + 180		117-5709	1,479.00	1,336.00	1,205.00	--	--
4PCO - NF4EB Series								
5V dc	53		120-0947	1,171.00	1,054.00	974.00	896.00	--
12V dc	330		117-5715	1,007.00	978.00	895.00	714.00	--
24V dc	1200		120-0948	1,171.00	1,054.00	974.00	896.00	--

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Relays & Solenoids

Compliant
Non-compliant
RoHS
+ Limited stock - RoHS replacement available