

EDR SERIES







SIP (PIN OUT:1267)



EDR201A0500 SI

HIGH INSULATION (DIP)





HIGH INSULATION (SMD)



FEATURES

- · Miniature, cost-effective switching solution.
- Molded construction for compatibility with automatic board processing.
- Completely washable.
- Dip type construction with the same terminal pitch as ICs or TTLs.
- The high sensitivity allows direct driving by TTL, etc.
- Magnetic shield cover is available.

PART NUMBERING SYSTEM

```
EDR 1 0 1A 05 00 Z
 | | | | +--- Z:RoHS Compliance
  | | 05:5VDC
   12:12VDC
  24:24VDC
  | | +--- CONTACT FORM:
  | | 1A:OPEN TYPE, 1 FORM A
  | +--- FUNCTION:
 0:NORMAL FUNCTION
      D:WITH DIODE TYPE
  +--- TYPE:
   1:SIP TYPE
 +--- MODEL NAME
EDR 2 0 1A 05 00 Z
 | | | | +--- Z:RoHS Compliance
 | | | +--- NOMINAL VOLTAGE:
 | | | 05:5VDC
| | | 12:12VDC
 | | +--- CONTACT FORM:
         1A:OPEN TYPE, 1 FORM A
         2A:OPEN TYPE, 2 FORM A
          1B:CLOSE TYPE, 1 FORM B
 1C:1 OPEN 1 CLOSE TYPE, 1 FORM C
  0:NORMAL FUNCTION
       D:WITH DIODE TYPE
      H:HIGH INSUALTION
 | +--- TYPE:
      2:DIP TYPE
      3:SMD TYPE
 +--- MODEL NAME
```

SPECIFICATIONS

COIL RATING

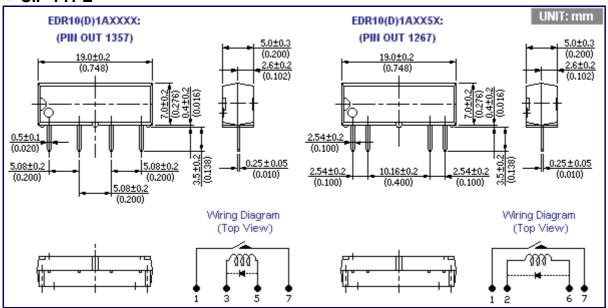
Contact form	Nominal Voltage (VDC)	Max. Operate Voltage (VDC)	Pull-in Voltage (VDC)	Dropout Voltage (VDC)	※Coil Resistance(Ω)	Nominal input power(mW)	
1 A	5	16	3.75	0.8	500±10%	50	
	12	20	9.00	1.0	1000±10%	144	
	24	32	18.00	2.0	2150±10%	268	
2A	5	11	3.75	0.8	140±10%	179	
	12	20	9.00	1.0	500±10%	288	
	24	32	18.00	2.0	2150±10%	268	
1B	5	6	3.75	0.8	500±10%	50	
	12	14.5	9.00	1.0	1000±10%	144	
	24	29	18.00	2.0	2150±10%	268	
1C	5	11	3.75	0.8	200±10%	125	
	12	20	9.00	1.0	500±10%	288	
	24	32	18.00	2.0	2150±10%	268	

CONTACT RATING

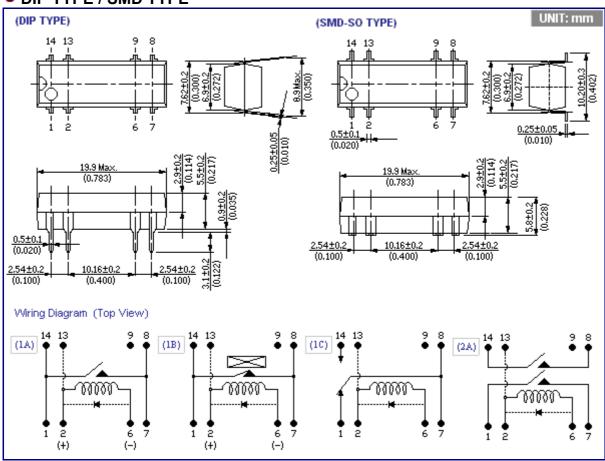
Contact form		1A	2A	1B	1C
Switching current		0.5 ADC Max.	0.5 ADC Max.	0.5 ADC Max.	0.2 ADC Max.
Carry current		1.0 ADC Max.	1.0 ADC Max.	1.0 ADC Max.	0.5 ADC Max.
Switching power		10 VA Max.	10 VA Max.	10 VA Max.	3 VA Max.
Electrical life		1x10 ⁸ (Ref 10VDC,10mA)	1x10 ⁸ (Ref 10VDC,10mA)	1x10 ⁸ (Ref 10VDC,10mA)	5x10 ⁷ (Ref 5VDC,1mA)
Contact resistance		150m Ω Max.	150m Ω Max.	150m Ω Max.	150m Ω Max.
Operate time (including bounce time)		1.0ms Max.	1.0ms Max.	1.0ms Max.	1.5ms Max.
Release time		0.5ms Max.	0.5ms Max.	0.5ms Max.	2.0ms Max.
Maximum voltage		100 VDC Max.	100 VDC Max.	100 VDC Max.	30 VDC Max.
Insulation resistance (at 100 VDC)		$10^{10}\Omega$ Min.	$10^{10}\Omega$ Min.	10 $^{10}\Omega$ Min.	10 $^9\Omega$ Min.
Dielectric strength	Coil to contact	1400 VDC Min. (General) 4000 VDC Min. (High insulation)	1400 VDC Min.	1400 VDC Min.	1400 VDC Min.
	Across contacts	250 VDC Min.	250 VDC Min.	250 VDC Min.	150 VDC Min.
Temperature range Operating temperature Storage temperature		-40℃~+85℃ -55℃~+125℃	-40℃~+85℃ -55℃~+125℃	-40℃~+85℃ -55℃~+125℃	-40℃~+85℃ -55℃~+125℃
Shock resistance		30G Min.	30G Min.	30G Min.	30G Min.

DIMENSIONS

SIP TYPE



DIP TYPE / SMD TYPE



HIGH INSULATION TYPE

