

 EXCEL CELL ELECTRONIC CO., LTD.	NO.	A30906	PAGE 1/2
SPECIFICATION	Edition	7	

EDR SIP SERIES REED RELAY

1. FEATURE:

- 1-1 Epoxy molded single in line structure.
- 1-2 Higher mounting density than DIP type.
- 1-3 Completely washable.
- 1-4 Miniature cost effective switching solution.
- 1-5 Is a UL recognised component (E155181).

2. SPECIFICATION (at 20°C) :

2-1 ELECTRICAL

2-1-1 Contact form	1A
2-1-2 Contact Rating	
a) Maximum switching power	10 VA
b) Maximum switching voltage	200 VDC
c) Maximum switching current	0.5 ADC
d) Maximum carry current	1.0 ADC
2-1-3 Contact Resistance	150 mΩ Max.
2-1-4 Operate Time	1.0 ms Max.
(including bounce time)	
2-1-5 Release Time	0.5 ms Max.
2-1-6 Dielectric strength	
a) Coil to contact	1400 VDC
b) Between contacts	250 VDC
2-1-7 Insulation Resistance	10 ¹⁰ Ω Min.
2-1-8 Shock Resistance	30G Min.
2-1-9 Electrostatic capacitance	0.3 pF Typ.

2-1-10 Coil Rating: NOMINAL VOLTAGE (V DC)	OPERATE VOLTAGE (V)Max.	PULL IN VOLTAGE (V)	DROP OUT VOLTAGE (V)	COIL RESISTANCE (Ω)	NOMINAL INPUT POWER (mW)
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

※ Special design is available on request.

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2-2 MECHANICAL AND ENVIRONMENTAL

2-2-1 Temperature Range:

Operating Temperature -40℃ to +85℃

Storage Temperature -55℃ to +125℃

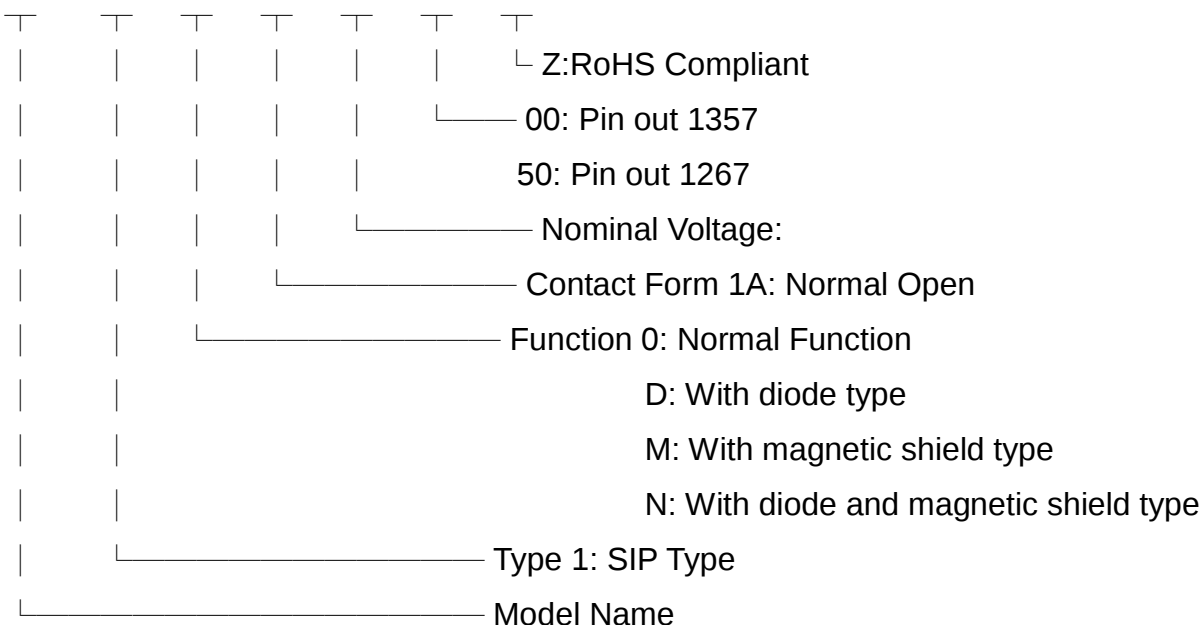
2-2-2 Life expectancy (Typ.) 100 x 10⁶

(Resistive load) (Ref 10 VDC, 10 mA)

2-2-3 Solderability After flux 245±5℃ for
5±0.5 seconds 95% coverage

3. PART NUMBERING SYSTEM:

EDR 1 D 1A 05 00 Z



4. PACKING:

4-1 Packing Method:

Relays are packed into IC tubes as an inner packing unit, then IC tubes are packed into boxes.

4-2 Information on the label (stuck to each tray).

- | | |
|-------------------|-------------------------|
| (1) DESCRIPTION. | (6) ECE MARK. |
| (2) LOT NO. | (7) QC STAMP. |
| (3) REPROCESS NO. | (8) DATE. |
| (4) QUANTITY. | (9) MANUFACTURERS NAME. |
| (5) TESTER NO. | |

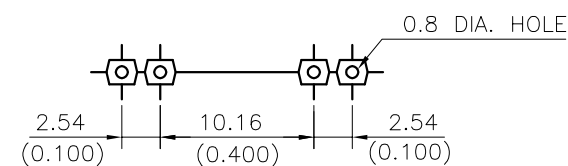
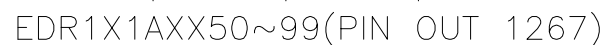
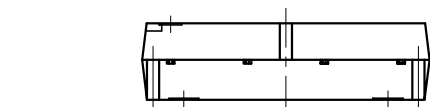
5. DRAWING

Reed relay dimensions: see attached drawing.

Wiring diagram: see attached drawing.

P.C.B. layout diagram: see attached drawing.→

EDR1X1AXX00~49(PIN OUT 1357)



				NORMAL TOLERANCE		PART NUMBER		EDR1X1AXXXXZ			UNIT	MM(INCH)	PART NAME	EDR	
				RANGE	TOLERANCE	MATERIAL		-----			SCALE	2: 1	TYPE	SIP	
				0 - 1	±0.1	CHECK	CCY	DESIGN	WINNIE	DRAWN	WINNIE	QUANTITY	-----	FILE NAME	EDRSIP.DWG
				1 - 4	±0.3							PROCESSING	-----	EDITION	A
				4 - 16	±0.5										
				16 - 63	±0.8										
				63 - 250	±1.0										
NO.	DETAILS	ALTERED BY	DATE								PROJECTION		SURFACE TREATMENT	-----	