



SOLENOID VALVE

SPECIFICATIONS for MODEL NLV-2R(K)-N1F(G)

FOR REFERENCE ONLY

- SOLENOID TYPE : LATCHING
- ORIFICE DIAMETER : 0.4mm
- PORT CONNECTION : HOSE BARB
- OPERATING PRESSURE RANGE : IN 0 ~ 100kPa {0 ~ 1bar}
- OUT 0 ~ 50kPa {0 ~ 0.5bar}
- FLUID MEDIA : FLUIDS CHEMICALLY COMPATIBLE WITH MATERIALS BELOW
- MEDIA TEMPERATURE RANGE : 10 ~ 50°C
- AMBIENT TEMPERATURE RANGE : 10 ~ 50°C
- RATED VOLTAGE : 5VDC, 12VDC
- POWER CONSUMPTION : 1.4W(5VDC), 1.2W(12VDC)
- * RECOMMENDED ENERGIZING TIME : 1s ~ 2s
- DUTY CYCLE : INTERMITTENT ED=20%
- INSULATION CLASS : CLASS B
- DIELECTRIC STRENGTH : 800VAC FOR 60s

NOTE1
TABLE OF LEAD COLOR, POLARITY AND VALVE STATUS

5VDC	POLARITY: LEAD COLOR ⊕: RED ⊖: WHITE	⊕: WHITE ⊖: RED
	STATUS	CLOSED → OPEN OPEN → CLOSED
12VDC	POLARITY: LEAD COLOR ⊕: BLUE ⊖: WHITE	⊕: WHITE ⊖: BLUE
	STATUS	CLOSED → OPEN OPEN → CLOSED

NOTE2
VALVE: DO NOT APPLY MORE THAN 10N FORCE.
LEADS: DO NOT APPLY MORE THAN 2N FORCE.

NOTE3

MODEL NUMBER	VALVE BODY MATERIAL	DIAPHRAGM GASKET MATERIAL
NLV-2R-N1F	PPS	FKM
NLV-2K-N1F	PEEK	FKM
NLV-2R-N1G	PPS	FFKM
NLV-2K-N1G	PEEK	FFKM

NOTE4
THE SPECIFICATIONS MARKED WITH * ARE PROVISIONAL UNTIL VERIFIED BY PROTOTYPES.

WETTED MATERIALS

△			4	DIAPHRAGM	FKM/FFKM	1	IN CASE OF FFKM, DAIEL™ PERFLUOR
△			3	VALVE BODY	PPS/PEEK	1	
△			2	GASKET	FKM/FFKM	1	IN CASE OF FFKM, DAIEL™ PERFLUOR
SYM.	DATE	DESCRIPTION	1	HOSE BARB	PEEK	1	
REVISION			PART NO.	PART NAME	MATERIAL	REQD.	NOTE
SCALE	APPROVED	CHECKED	DRAWN		SOLENOID VALVE		DRAWING NO
5/1		S. Kitakawa	yy		NLV-2R(K)-N1F(G)		15069-00-E
A 3		y. Kawahara	J. Yamada				