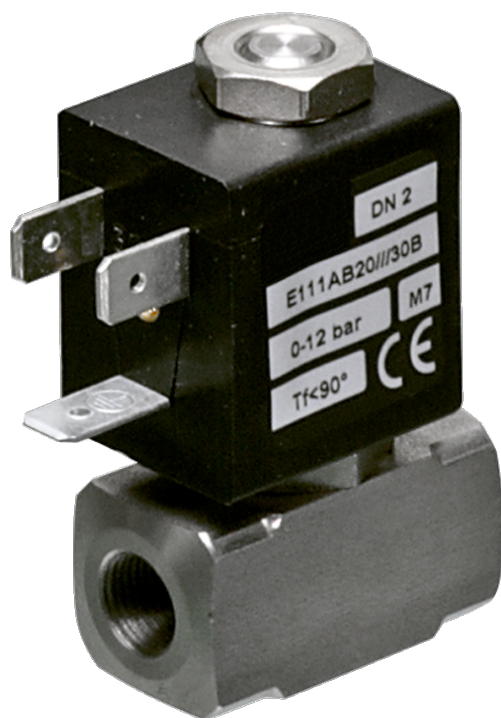


# 311 Series Valves



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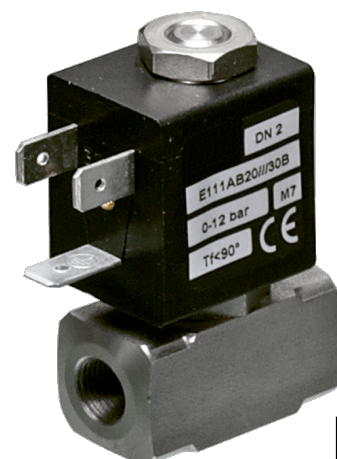
**RANKIN**   
COMPONENTS THAT AUTOMATE

## DESCRIPTION

Solenoid valve 3 way  
direct acting poppet type

## CONSTRUCTION


Body	AISI 303
Armature tube	AISI 303
Plunger and core	AISI 430FR
Springs	AISI 302
Seal material	NBR - FPM - EPDM



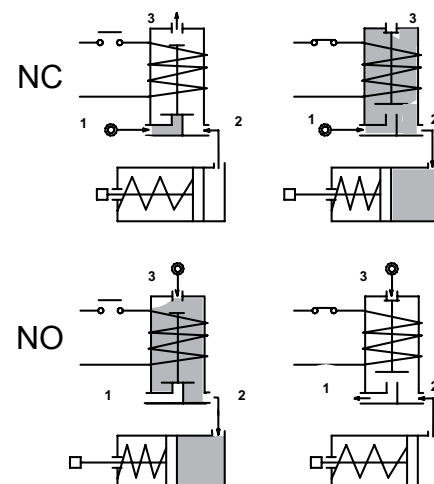
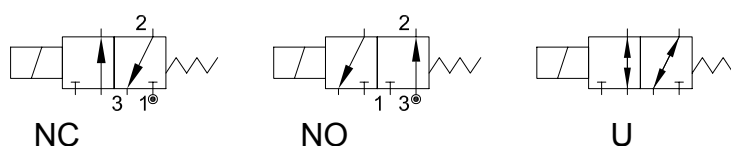
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## FEATURES

Maximum allowable pressure PS 50bar<sup>③</sup>  
Maximum fluid viscosity 25cSt (mm<sup>2</sup>/s)  
Ambient temperature: from -10°C to +80°C according to the coil  
Universal mounting position

**OPTIONS:** Silver shading ring  
Series 7 explosion proof coil according to ATEX - EExmII  
Exhaust port with hosetail connection  
c  us certified coils

**ON REQUEST:** Versions for use with fluid temperature at -40°C



CODE ① ②	Connection G ISO 228	Orifice mm		Kv m <sup>3</sup> /h	Differential pressure bar			Nominal power			Coil		Seal ①	Temp. range °C
		1→2	2→3		Min	Max AC DC		AC Inrush	VA Holding	DC Watt	Series	Width		
<b>NC Normally closed</b>														
E311A...12///...	1/8"	1.2	1.5	0.04	0	15	15	12	8	6.5	3	22	NBR=B	-10 +90
E311A...15///...		1.5	1.5	0.06	0	10	10							
E311A...20///...		2	1.7	0.09	0	6	6							
<b>NO Normally open</b>														
E311A...15/S/...	1/8"	1.5	1.5	0.06	0	10	10	12	8	6.5	3	22	EPDM=E	-10 +140
E311A...17/S/...		1.7	2	0.07	0	6	6							
<b>U Universal</b>														
E311A...15/G/...	1/8"	1.5	1.5	0.06	0	6	6	12	8	6.5	3	22	FPM=V	-10 +140

- ① Seal  
② Coil

Example: E311AV15///30B FPM seal  
E311AB15/S/301 NBR seal

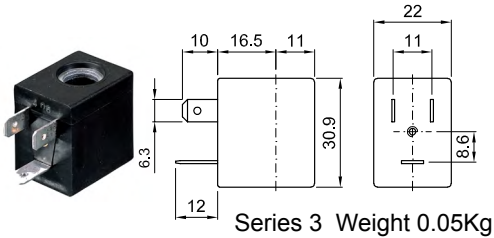
Coil 24V 50/60Hz NC  
Coil 24V DC NO

- ③ The maximum allowable pressure PS for steam 2,5bar (gauge pressure)

COILS ②	Alternating Current 50/60Hz (V)							Direct Current (V)			Electrical connection	Connectors
	12	24	48	110	220 230	240	380	12	24	48		
Series 3 Width 22	30A	30B	30C	30D	30E	30F	30G	300	301	302	DIN 46244	PG9 code 10348000

**DESCRIPTION**  
 Class F insulation  
 Voltage tolerance  
 AC +15% -10%  
 DC ± 10%  
 Protection class  
 IP65 with connector fitted  
 IP00 without connector  
 Continuous service ED100%

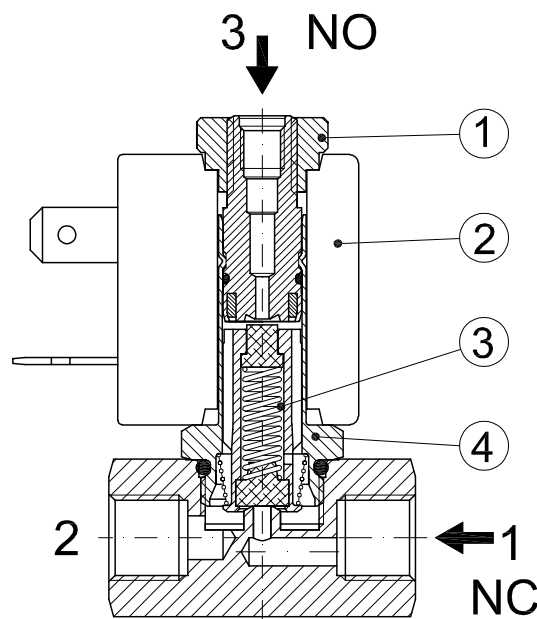
**OPTIONS**  
 Class H insulation  
 Cable attached  
 Special coil voltage  
 Special coil powers  
 CE us certified coils



(for coil details see section 8)

### SPARE PARTS LIST

1. Coil fixing nut
2. Coil
3. Plunger
4. Armature tube assembly



### OVERALL DIMENSION

