

# Certification Record | CSA Group.

CUSTOMER	CLASS	FILE NUMBER
CS FLUID POWER Co., Ltd. 1F No. 27, ALY. 10 LN 321 Xinming Rd. Neihu Dist. Taipei City Taiwan 11471	<a href="#">3221-82</a> VALVES - Actuators - Certified to US Standards	239820

Nov 16, 2016

Electrically operated solenoid coil assemblies, Class B insulation, for use with special-use connector, the Model Nos., electrical rating and size of the core assembly are as given below:

Model No.	Voltage	AC VAnd PC Power in watts a		Core assembly	
		50Hz	60Hz		
WP-G2-D,	24 V ac	13.4	11.5	16 mm dia., 40mm long	
WP-G2-E	100 V ac	13	11		
	110 V ac	17	14		
	120 V ac	20	17		
	220 V ac	16.2	13.4		
	230 V ac	16.2	13.4		
	240 V ac	18.7	15.3		
	12 V dc	18 W			
	24 V dc	18 W			
WP-K2-D,	12 V dc	10.5 W		13 mm dia., 35.5 mm long	
WP-K2-E	24 V dc	10.5 W			
WP-G1-D,	24 V ac	9.8	8.2		
WP-G1-E	100 V ac	8	7		
	110 V ac	9.8	8.2		
	120 V ac	12.2	9.8		
	220 V ac	9.9	8.0		
	230 V ac	10.1	8.2		
	240 V ac	11.2	9.1		
	12 V dc	12 W			
	24 V dc	12 W			
WP-K1-D,	12 V dc	8.5 W			
WP-K1-E	24 V dc	8.5 W			
CS-D2-D	24 V dc	3.8	3.1		91 mm dia., 28.3 mm long
	100 V ac	3.2	2.5		
	110 V ac	4.4	3.3		
	120 V ac	6	4.4		
	220 V ac	3.5	2.6		
	230 V ac	3.5	2.6		
	240 V ac	3.8	2.9		
	12 V dc	4.2 W			
	24 V dc	4.2 W			
	48 V dc	2.4 W			
	110 V dc	2.8 W			
WP-S2-DH	110-240V AC	2W	2W		
	100-125V dc	2W			
WP-S2-DL	24Vac	2W	2W		
	24Vac	2W	2W		

Notes: For use as components for electrically operated valves where the suitability of the combination is determined by the CSA International.

# Class Description

CLASS NUMBER	DESCRIPTION
3221-82	VALVES - Actuators - Certified to US Standards

#### COVERAGE:

Electrically operated, general purpose valve actuators, intended for use in ordinary locations rated 600 volts and less. Actuators intended for use in other equipment are subject to additional investigation with the equipment.

#### REQUIREMENTS:

UL 429	Electrically Operated Valves
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#### NOTES:

Notes applicable to specific devices or submitters are detailed in the individual submitter's listing.

#### MARKING:

All marking required by CSA must be permanent, legible and located when readily visible for review after installation of the equipment, except as permitted otherwise. The contents consist of:

- Submitter's identification;
- Model designation or equivalent;
- Complete electrical rating;
- Time rating if not continuous;
- Date code or equivalent;
- Additional markings as may be required by the applicable Standard(s) for specific models or usages;
- CSA Mark and "US" indicator adjacent to the CSA Mark.

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