



Certificate of Compliance

Certificate: 80134547

Master Contract: 216806

Project: 80134547

Date Issued: July 15, 2022

Issued To: Pro Uni-D Co., Ltd.
No. 7 Ruei Yuan Street,
Bade Dist., Taoyuan City, 33447
Taiwan

Attention: Alen Chen 陳世峰

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by:

Sosa Chou

PRODUCTS

CLASS - C322101 - VALVES General purpose
CLASS - C322181 - VALVES Certified to US Standards

Electrical solenoid valve coil modular assembly for general purpose only, rating as below listed.

Coil Insulation class H; ambient temperature 25°C.



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Coding example: US-15-J-B-A-A-3-NC-1

Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
US-15~50	J B F FB TF H JB	B-S-P-1-NC-1	DC24	DC	0.6	1550	2	48
UAW-15~50		B-A-A-3-NC-1	AC24	60	0.9	500	2.6	20
		B-A-B-2-NC-1	AC110	50	0.5	2500	0.8	25
		B-A-B-3-NC-1	AC110	60	0.45	2500	0.45	13
		B-A-D-2-NC-1	AC220	50	0.4	4200	0.6	35
		B-A-D-3-NC-1	AC220	60	0.35	4200	0.34	20
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UG-35~50	J B F FB TF H JB	B-S-P-1-NC-1	DC24	DC	0.6	1550	2	48
UV-35~50		B-S-A-3-NC-2	AC24	60	1.2	300	3.3	50
UW-35~100		B-S-B-3-NC-2	AC110	60	0.6	1550	0.55	39
SUW-80		B-A-D-3-NC-2	AC220	60	0.45	3050	0.28	35
SUS-80								
US-35~100								
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UDC-20~25	J B F FB TF H JB	B-S-P-1-NO-1	DC24	DC	0.6	1450	2	48
US-35~100		B-S-A-3-NO-1	AC24V	60	1.2	300	3.3	50
UW-35~100		B-S-B-3-NO-1	AC110	60	0.6	1450	1	48
SUW-35~80		B-A-D-3-NO-1	AC220	60	0.45	2850	0.7	50
SUS-80								
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UD-10		M-D-N-1-NC-1	DC12	DC	0.6	700	3	36



Certificate: 80134547
Project: 80134547

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UA-10	J B F FB TF H JB	M-A-A-3-NC-1	AC24	60	0.6	500	1.3	17
SUS-10~50		M-A-B-2-NC-1	AC110	50	0.29	2700	0.23	13
UDC-8~15		M-A-B-3-NC-1	AC110	60	0.27	2700	0.2	12
UAO-8~15		M-A-D-2-NC-1	AC220	50	0.23	5300	0.13	13.4
UPS-15~25		M-A-D-3-NC-1	AC220	60	0.19	5300	0.1	12.5
UW-10~100								
US-10~100								
SUW-15~50								
UG-10~50								
UV-10~50								
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UW-10~50	J B F FB TF H JB	M-D-P-1-NC-1	DC24	DC	0.43	1620	1.3	31
SUW-10~50								
UG-10~50								
UV-10~50								
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UD-10	J B F FB TF H JB	M-D-P-1-NC-2	DC24	DC	0.35	1800	0.8	20
US-10								
UA-10								
SUS-10~50								
UDC-8~15								
UAO-8~15								
UPS-15~50								
US-35~100								



Certificate: 80134547
Project: 80134547

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Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UW-35~100								
UW-35~50	J B F FB TF H JB	M-S-P-1-NC-3	DC24	DC	0.45	1450	1.6	38
SUW-35~50								
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UD-10	J B F FB TF H JB	M-S-P-1-NO-2	DC24	DC	0.45	1450	1.6	38
UW-10~50		M-A-A-3-NO-1	AC24	60	0.6	450	1.9	23
SUW-15~50		M-A-B-3-NO-1	AC110	60	0.27	2400	0.3	15
UG-15~50		M-A-D-3-NO-1	AC220	60	0.19	4600	0.16	18
UV-15~50								
SUS-10~50								
UPS-15~25								
US-35~100								
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
SUW-35~50	J B F FB TF H JB	M-D-P-1-NO-1	DC24	DC	0.45	1300	1.9	46
UW-35~50		M-A-B-3-NO-2	AC110	60	0.32	2100	0.43	21.5
US-35~100		M-A-D-3-NO-2	AC220	60	0.23	4000	0.23	24
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UD-10	J B F FB TF	M-D-P-1-NO-1	DC24	DC	0.45	1300	1.9	46
SUS-10~50		M-A-A-3-NO-1	AC24	60	0.6	450	1.9	23
UPS-15~25		M-A-B-3-NO-3	AC110	60	0.29	2400	0.3	15.8



Certificate: 80134547
Project: 80134547

Master Contract: 216806
Date Issued: July 15, 2022

UW-35~100	H JB	M-A-D-3-NO-3	AC220	60	0.21	4600	0.16	17.2	
US-35~100									
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)	
UD-10	J B F FB TF H JB	L-D-N-1-NC-1	DC12	DC	0.7	650	4.5	54	
UD-15		L-D-P-1-NC-1	DC24	DC	0.5	1350	2.2	53	
		L-A-A-3-NC-1	AC24	60	0.7	430	1.3	18	
		L-A-B-3-NC-1	AC110	60	0.37	1950	0.5	27	
		L-A-D-2-NC-1	AC220	50	0.27	4100	0.27	27	
		L-A-D-3-NC-1	AC220	60	0.23	4100	0.2	24	
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)	
USS-15~25	J B F FB TF H JB	L-D-P-1-NC-2	DC24	DC	0.4	1800	1.1	28	
		L-A-B-3-NC-2	AC110	60	0.35	2500	0.35	19	
		L-A-D-3-NC-2	AC220	60	0.23	5100	0.16	15	
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)	
UW-35~50	J B F FB TF H JB	L-D-N-1-NC-2	DC12	DC	0.75	630	4.5	53	
SUW-35~50									
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)	
UD-6~8	J B F FB TF	S-D-N-1-NC-1	DC12	DC	0.45	850	1.7	21	
UA-8		S-D-P-1-NC-1	DC24	DC	0.29	1800	0.7	17	
US-6~8		S-A-A-3-NC-1	AC24	60	0.4	750	0.58	7	



Certificate: 80134547
Project: 80134547

Master Contract: 216806
Date Issued: July 15, 2022

SUS-6~8	H JB	S-A-B-2-NC-1	AC110	50	0.21	3600	0.14	7
		S-A-B-3-NC-1	AC110	60	0.17	3600	0.12	7
		S-A-D-2-NC-1	AC220	50	0.15	7250	0.08	8
		S-A-D-3-NC-1	AC220	60	0.13	7300	0.06	6
Model No.		Coil Number	Voltage (V)	Hz/DC	winding dia(H)	Core Tune (Tune)	Rating max(A)	Rating max(W)
UD-6~8	J B F FB TF H JB	S-D-N-1-NO-1	DC12	DC	0.6	450	5.4	65
SUS-6~8		S-D-P-1-NO-1	DC24	DC	0.32	1600	0.9	22
US-6~8		S-D-P-1-NO-2	DC24	DC	0.32	1800	0.8	20
		S-A-A-3-NO-1	AC24	60	0.45	630	1.7	21
		S-A-B-3-NO-1	AC110	60	0.23	3200	0.32	16
		S-A-D-3-NO-1	AC220	60	0.15	6200	0.16	18

Note:

1. The above subject solenoid coil are certified as components for use valve body with similar specification Ampere/watt Max. Where the suitability of the combination is to be determined by CSA International.
2. The above subjects are intended to be used exclusively together with designated valve body series of the submitter under master contract 216806 as one complete assembly unit only. These solenoid coils are not suitable to be used for any valve bodies of other manufactures
3. Suffix letters "J" or "B" or "F" or "FB" or "TF" or "H" or "JB" may added after model number.



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APPLICABLE REQUIREMENTS

- CSA-C22.2 No. 139-19 - Electrically Operated Valves
- UL Std. No 429, 7th Edition - Electrically Operated Valves

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Nameplate adhesive label material approval information:

The nameplate affixed to the coil assembly shall with the following information:

- a) Submitter's name, trademark or CSA File No. "216806";
- b) coil number;
- c) rated voltage;
- d) whether for use with dc or ac; and
- e) "to be used with valve body No. _____."

Note: Frequency marking indicates ac operation.

Note- Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings"

Notes:

Products certified under Class C322101 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80134547	July 15, 2022	Original Certification. Electrical solenoid valve coil modular assembly for general purpose only