

**Z/A EX D & EX II N.C./N.O.**

**ATEX - SOLENOID VALVE 2/2 way Direct Acting Explosion Proof**



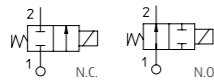
**FEATURES**

- Wide range of application high flow valves for liquids, gaseous
- Hazardous environment
- Small poppet valve for tight shutoff
- Mountable in any position
- Dedicated to CPT Market

**TECHNICAL SPECIFICATION**

- Body material:** Brass UNI EN 12165 CW617N
- Armature tube:** Stainless Steel AISI 300 series
- Plungers:** Stainless Steel AISI 400 series
- Spring:** Stainless Steel AISI 300 series
- Ex d Housing:** in Aluminium die cast
- Media:** mineral oils, gasoline, diesel, fuel oils, air, inert gases, water, 134 a, R 404a
- Ex m Ambient temperature:** See coils catalogue page for its compatibility
- Ex m Fluid temperature:** -10°C +80°C with FKM seals  
-30°C + 80°C with H-NBR seals
- Ex d Housing Ambient temperature:** -40°C +60°C
- Ex d Fluid temperature:** -10°C +140°C with FKM seals
- Design pressure PS:** 40 bar
- Protection class:** Ex m IP65 (complete with electric plug);  
Ex d IP65 (with hosing fitted by cable gland ATEX Ex d)
- Electrical conformity:** IEC 335

- Switching time:** 20 - 40 msec (depending on pressure conditions)
- (Conforme to ATEX Directive 94/9/CE ATEX)
- For S.V. 21A..I  
II 2G Ex d IIC T6 o T5 Gb  
II 2D Ex tb IIIC T80°C o T90°C Db IP67  
(Tamb: -40°C ≤ +60°C)
- For S.V. 21A..Q  
II 2G Ex mb IIC Gb  
II 2D Ex mb IIIC t 130°C Db  
IEC Ex m II T4  
A21 IP65 T130°C

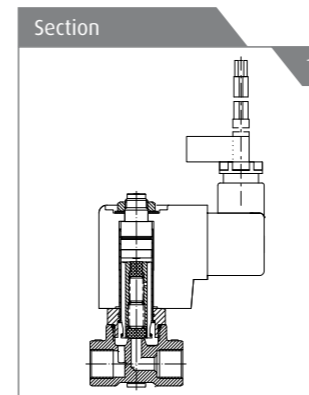


21A	2	QD	V	15	
Model valve	2= G 1/4 3= G 3/8	QD= N.C. Ex m KI= N.C. Ex d ZI= N.O. Ex d	V= FKM F= H-NBR	15 20 25 30 45 55	Orefice 10*1mm

B	D	A	08	012	C	S
B= 30mm Ø 13	D EN 175301-803	A= Class F	08= 8W	012= 12V 024= 24V 048= 48V 110= 110V 223= 220V-230V	C= DC D= AC	S= Without Approval(*)

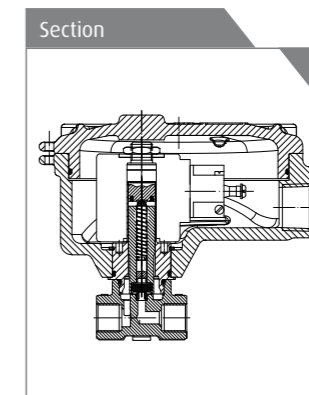
(\*) Ex d protection class when assembled with Ex housing

T	N	A	4X	024	D	4
T= 36mm Ø 14,5	N 3 cables cm 300	A= Class F	4X= 7,2V 5X= 9,13V 05= 7,7V-9,2V 10= 10,1W	024= 24V 110= 110V 224= 220V-240V	D= AC C= DC	4= Ex m T4



**REPAIR KIT**  
For spare parts please consult our technical department

**Coil P/N Ex mb II T 4**  
RTNA4X024D4  
RTNA5X110D4  
RTNA05224DA  
RTNA10024C4



**REPAIR KIT**  
For spare parts please consult our technical department

**ACCESSORIES**  
Code P992219 Cable Gland (to be ordered separately)

PIPE	Ø (mm)	Kv (l/min)	MAX VISCOSITY cSt (°E)	PRESSURE min	PRESSURE MAX MOPD (bar)				GAS CODE	NPT CODE	FLOW CURVE
					COIL TYPE						
					AC		DC				
					B	T	B	T			

**Normally Closed Ex m**

G 1/8	1,5	1,4	12(2)	0	-	16	-	16	21A3QDV15	(Part numbering example add "N" at the 4th digit 21AN1Q)	1
	2	2	37(5)		-	16	-	16	21A3QDV20		1
	2,5	3,2	53(7)		-	14	-	9	21A3QDV25		1
	3	4	53(7)		-	10	-	6	21A3QDV30		1
	4,5	6,5	53(7)		-	5	-	2	21A3QDV45		1
G 1/4	1,5	1,4	12(2)	0	-	16	-	16	21A2QDV15	(Part numbering example add "N" at the 4th digit 21AN2Q)	1
	2	2	37(5)		-	16	-	16	21A2QDV20		1
	2,5	3,2	53(7)		-	14	-	9	21A2QDV25		1
	3	4	53(7)		-	10	-	6	21A2QDV30		1
	4,5	6,5	53(7)		-	5	-	2	21A2QDV45		1
	5,5	9	53(7)	-	3	-	1	21A2QDV55	1		

**Normally Closed Ex d**

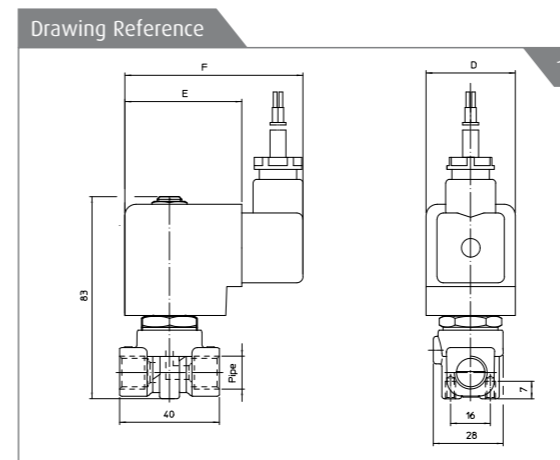
G 1/8	1,5	1,4	12(2)	0	30	-	18	-	21A3KIV15	(Part numbering example add "N" at the 4th digit 21AN1KI)	2
	2	2	37(5)		22	-	16	-	21A3KIV20		2
	2,5	3,2	53(7)		14	-	9	-	21A3KIV25		2
	3	4	53(7)		10	-	6	-	21A3KIV30		2
											21A3KIV45
G 1/4	1,5	1,4	12(2)	0	30	-	18	-	21A2KIV15	(Part numbering example add "N" at the 4th digit 21AN2KI)	2
	2	2	37(5)		22	-	16	-	21A2KIV20		2
	2,5	3,2	53(7)		14	-	9	-	21A2KIV25		2
	3	4	53(7)		10	-	6	-	21A2KIV30		2

**Normally Open Ex d**

G 1/8	1,5	1,4	12(2)	0	30	-	18	-	21A3ZIV15	(Part numbering example add "N" at the 4th digit 21AN1ZI)	2
	2	2	37(5)		22	-	16	-	21A3ZIV20		2
	2,5	3,2	53(7)		14	-	9	-	21A3ZIV25		2
	3	4	53(7)		10	-	6	-	21A3ZIV30		2
											21A3ZIV45
G 1/4	1,5	1,4	12(2)	0	30	-	18	-	21A2ZIV15	(Part numbering example add "N" at the 4th digit 21AN2ZI)	2
	2	2	37(5)		22	-	16	-	21A2ZIV20		2
	2,5	3,2	53(7)		14	-	9	-	21A2ZIV25		2
	3	4	53(7)		10	-	6	-	21A2ZIV30		2

**INSTALLATION**

- The solenoid valves can be mounted in any position
- Maintenance and instruction sheet available in each solenoid valve box
- Attention: for fuse selection please refer to the "Instruction sheet ATEX products" delivered together with the valve
- Fixing holes
- Holes and threaded connections for panel fixing



**Dimensionale Table**

Figure	Coil Type	D mm	E mm	F mm
1	T	36	47	71

