

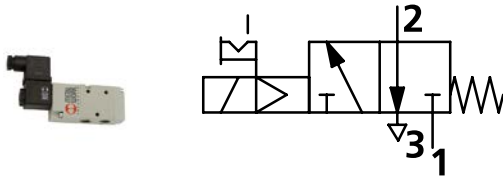
3/2-way valve

electropneumatic, with connector and coil, series 70 low temperature

PLUS ||

Art. No. 150021

Type No. 517.TT.32.38.NC.12D



Exemplary illustration

The series 70 low temperature valves in electropneumatic version complement our range of traditional way valves of series 70. They represent a selection of the most commonly used electropneumatic way valves, which are manufactured with components for special low temperature applications. These valves have a wide range of applications as bushing valves, direct mounting on the cylinder with special adapters or as series valves with multi-base plates and individual interlinking plates (supply strips).

Technical data

Function	3/2 NC
Operation	monostable
Control air supply	internal
Connection	G 3/8 IT
Voltage	12 V DC
DN	13.3
Flow rate measurement 1	flow rate at 6 bar and Δp 0.5 bar
Flow rate 1	1560 NI/min
Flow rate measurement 2	flow rate at 6 bar and Δp 1 bar
Flow rate 2	2150 NI/min
Medium	filtered, dry and unlubricated compressed air
Required purity class in accordance w. ISO 8573-1	4.2.3
Min. operating pressure at -40 to -10 °C	5 bar
Min. operating pressure at -10 to 60 °C	3 bar
Operating pressure	max. 10 bar
Medium temperature	-40 to 60 °C
Ambient temperature	-40 to 50 °C
Valve body	aluminium
Piston	nickel-plated aluminium
Sealant	NBR
Spring	special steel

Technical data

Control air port	-
Manual control	latching

Series 70 low temperature valves require the use of 22 mm coils with 5 W or 5 VA.

Commercial data

Customs tariff number	84818079
Country of origin	IT
eCl@ss 5.1.4	27291501
eCl@ss 9.0	27291390
UNSPSC_Code_v190501	40141603
UNSPSC_CodeDesc_v190501	Pneumatic valves

B1

VALVES SERIES 70

VALVES
VALVES SERIES 70

The Series 70 forms part of Metal Work's full range of traditional valves.

They are available in sizes 1/8", 1/4", 3/8" and 1/2", versions 3/2, 5/2, 5/3 and double 3/2, with mechanical, manual, pneumatic and electric drives.

They can be installed in line, onto a wall, on the cylinder (using a special bracket) or in series (on a multiple or modular base) to suit all possible applications.

A range of valves (Series 70 LT) designed using components for specific low-temperature applications is now available for the most commonly used types and sizes.

These highly reliable valves comply with the main applicable standards, including Atex, ISO 13489 and SIL, as stated in the documents and certificates available online.



TECHNICAL DATA		1/8"	1/4"	3/8"	1/2"
Thread on the valve ports		1/8"	1/4"	3/8"	1/2"
Operating pressure series 70 versions	bar	2.5 to 10			
monostable and bistable differential		1 to 10			
bistable		vacuum to 10			
asserved					
Operating pressure series 70 LT (low temperature) versions	bar	vacuum to 10			
hand operated		-			
pneumatic and solenoid/pneumatic	t = -40°C to -10°C	5 to 10			
	t = -10°C to +60°C	3 to 10			
Minimum pilot pressure	bar	2.5			
Operating temperature range	°C				
series 70 versions		-10 to +60			
series 70 LT (low temperature) versions		-40 to +60			
Nominal diameter	mm	5	7.5	13.3	15
Conductance C	Nl/min · bar	121.43	264.26	505.52	971.43
Critical ratio b	bar/bar	0.32	0.27	0.32	0.43
Flow rate at 6 bar ΔP 0.5 bar	Nl/min	400	750	1560	3200
Flow rate at 6 bar ΔP 1 bar	Nl/min	550	1100	2150	4600
Installation		In any position (vertical assembly is not recommended for bistable valves subjected to vibration)			
Fluid		Filtered air without lubrication; lubrication, if used, must be continuous.			
Recommended lubricant		For series 70 LT (low-temperature) versions, it is recommended to use of perfettamente dried air. ISO and UNI FD 22			
Maximum coil nut torque	Nm	For series 70 LT (low-temperature) it is not expected to be used with lubricated air.			
Compatibility with oils		1 See chapter Z1			

COMPONENTS SERIES 70

- ① VALVE BODY: Aluminium
- ② CONTROL/END CAP: plastic
- ③ SPOOL: chemically nickel-plated aluminium
- ④ DISTANCE PLATES: plastic
- ⑤ GASKETS: NBR
- ⑥ PISTONS: Hostaform®
- ⑦ PISTON GASKET: NBR
- ⑧ FILTER: plastic
- ⑨ SPRINGS: special steel
- ⑩ OPERATOR: Brass pipe - Stainless steel core


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COMPONENTS SERIES 70 LT (LOW TEMPERATURE)

- ① ALVE BODY: aluminium
- ② CONTROL/END CAP: aluminium
- ③ SPOOL: chemically nickel-plated aluminium
- ④ DISTANCE PLATES: plastic
- ⑤ GASKETS: HNBR
- ⑥ PISTONS: aluminium
- ⑦ PISTON GASKET: HNBR
- ⑧ FILTER: plastic
- ⑨ SPRINGS: special steel
- ⑩ OPERATOR: brass pipe - Stainless steel core
(version specific for low-temperature applications)



VALVES

VALVES SERIES 70

FLOW CHARTS

VALVES SERIES 70 1/8"

Flow rates



VALVES SERIES 70 1/4"

Flow rates



VALVES SERIES 70 3/8"

Flow rates



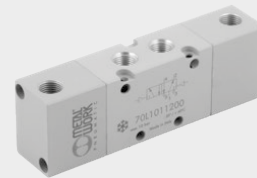
VALVES SERIES 70 1/2"

Flow rates



VALVES SERIES 70 LT (LOW TEMPERATURE)

TECHNICAL DATA		1/8"	1/4"	3/8"
Operating pressure standard		bar		
hand operated		Vacuum to 10		
pneumatic and solenoid/pneumatic		5 to 10		
t = -40°C to -10°C		3 to 10		
t = -10°C to +60°C		-40 to +60		
Operating temperature range		°C		
Nominal diameter		mm	5	7.5
Conductance C		Nl/min · bar	121.43	264.26
Critical ratio b		bar/bar	0.32	0.27
Flow rate at 6 bar ΔP 0.5 bar		Nl/min	400	750
Flow rate at 6 bar ΔP 1 bar		Nl/min	550	1100
PNEUMATIC				
Minimum pilot pressure		bar		
t = -40°C to -10°C		5		
t = -10°C to +60°C		3		
TRA / TRR monostable at 6 bar (at 20°C)		ms	6/15	7/15
TRA / TRR bistable at 6 bar (at 20°C)		ms	7/7	7/7
SOLENOID/PNEUMATIC				
TRA / TRR monostable at 6 bar (at 20°C)		ms	15/35	19/45
TRA / TRR bistable at 6 bar (at 20°C)		ms	20/20	21/21
Coil voltage values		12; 24 VDC		
		24; 110; 220V AC 50/60Hz		
Power		t = -40°C to -10°C	5 W (DC) - 5 VA (AC)	
		t = -10°C to +60°C	2 W (DC) - 3.5 VA (AC)	
Voltage tolerance		%	-10 to +15	
Insulation class			F 155	
Maximum coil nut torque		Nm	1	
Hand operator			Bistable	
Notes: after a long stop and with very low temperatures the movement of the first drives may be slower. It recommends the use of perfectly dry air.				



VALVES

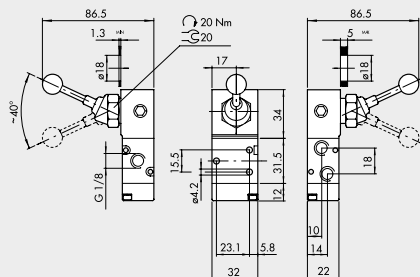
VALVES SERIES 70 LT (LOW TEMPERATURE)

SYNOPTIC, SIZES AND VERSIONS

P N V	2	3	P N	S	OO	LT
FAMILY	DIMENSIONS	FUNCTION	OPERATORS 14	RESETTING (12)	FURTHER DETAILS	
MAV manual valves	2 1/8"	3 3/2	LE leva 90°	S mechanical springs	OO no indication	LT low temperature
PNV pneumatic valves	3 1/4"	5 5/2	PN pneumatic	B bistable	NC normally closed	
SOV solenoid/ pneumatic	C 3/8"	6 5/3	SO solenoid	O stable for 5/3	NO normally open	
					CC closed centres	
					OC open centres	
					PC pressure centres	

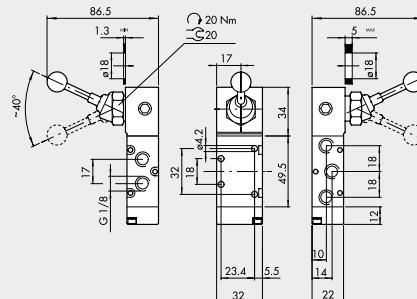
VALVES SERIES 70 LT, HAND OPERATED (LOW TEMPERATURE)

90° LEVER 3/2 1/8"



Symbol	Code	Abbrev.	Weight [g]
	* 70L1000100	MAV 23 LES NC LT	184
	* 70L1000200	MAV 23 LEB OO LT	187

90° LEVER 5/2 1/8"



Symbol	Code	Abbrev.	Weight [g]
	* 70L1000300	MAV 25 LES OO LT	210
	* 70L1000400	MAV 25 LEB OO LT	213

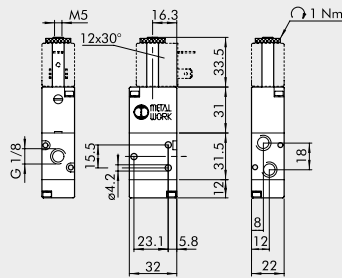
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VALVES SERIES 70 LT, SOLENOID/PNEUMATIC (LOW TEMPERATURE)

VALVES

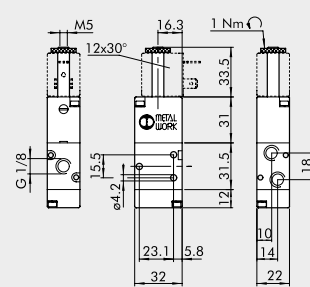
VALVES SERIES 70 LT (LOW TEMPERATURE)

MONOSTABLE 3/2 NO 1/8"



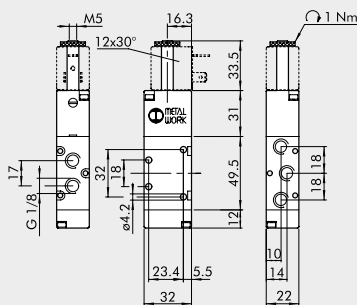
Symbol	Code	Abbrev.	Weight [g]
	* 70L1020400	SOV 23 SOS NO LT	147

MONOSTABLE 3/2 NC 1/8"



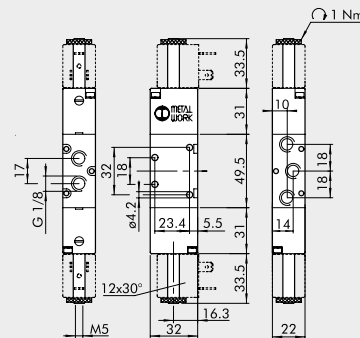
Symbol	Code	Abbrev.	Weight [g]
	* 70L1020200	SOV 23 SOS NC LT	147

MONOSTABLE 5/2 1/8"



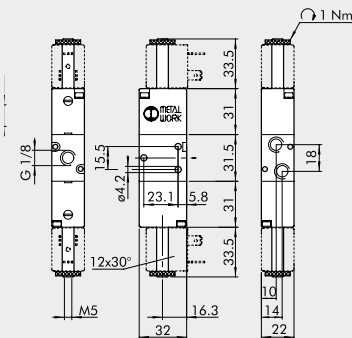
Symbol	Code	Abbrev.	Weight [g]
	* 70L1021100	SOV 25 SOS OO LT	175

BISTABLE 5/2 1/8"



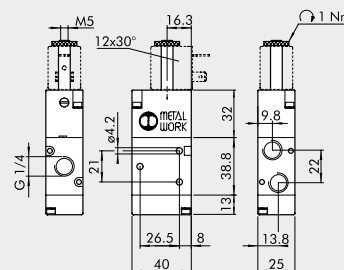
Symbol	Code	Abbrev.	Weight [g]
	* 70L1021200	SOV 25 SOB OO LT	228

BISTABLE 3/2 1/8"



Symbol	Code	Abbrev.	Weight [g]
	* 70L1020100	SOV 23 SOB OO LT	203

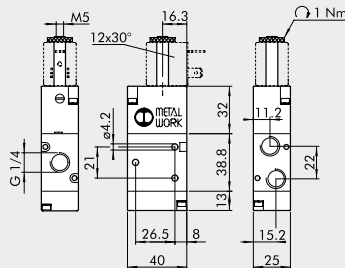
MONOSTABLE 3/2 NO 1/4"



Symbol	Code	Abbrev.	Weight [g]
	* 70L2020400	SOV 33 SOS NO LT	230

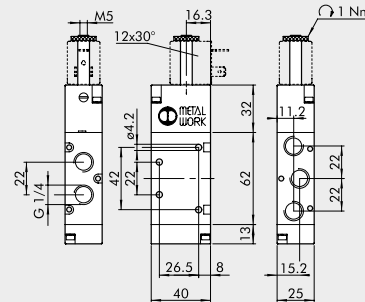
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MONOSTABLE 3/2 NC 1/4"



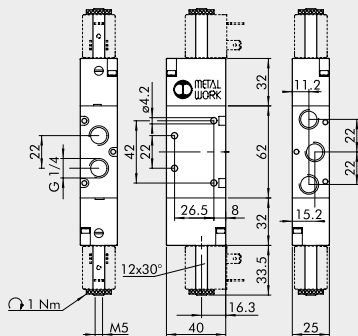
Symbol	Code	Abbrev.	Weight [g]
	* 70L2020200	SOV 33 SOS NC LT	230

MONOSTABLE 5/2 1/4"



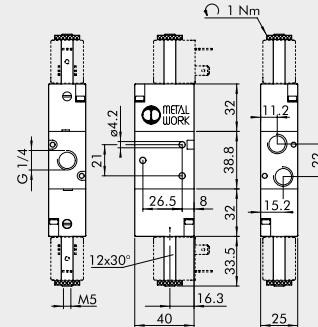
Symbol	Code	Abbrev.	Weight [g]
	* 70L2021100	SOV 35 SOS OO LT	278

BISTABLE 5/2 1/4"



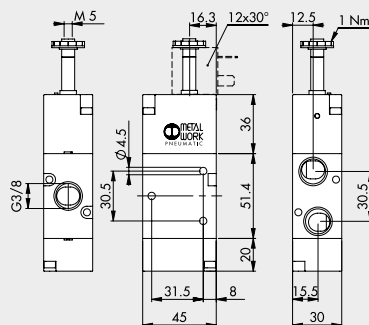
Symbol	Code	Abbrev.	Weight [g]
	* 70L2021200	SOV 35 SOB OO LT	332

BISTABLE 3/2 1/4"



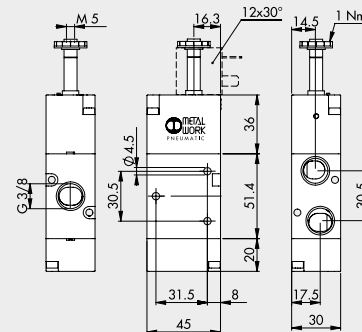
Symbol	Code	Abbrev.	Weight [g]
	* 70L2020100	SOV 33 SOB OO LT	286

MONOSTABLE 3/2 NO 3/8"



Symbol	Code	Abbrev.	Weight [g]
	* 70L4020400	SOV C3 SOS NO LT	358

MONOSTABLE 3/2 NC 3/8"



Symbol	Code	Abbrev.	Weight [g]
	* 70L4020200	SOV C3 SOS NC LT	358

Technical drawing showing three mechanical components with dimensions in millimeters (mm):

- Left Component (Nut):**
 - Height: 30.5
 - Thread: G 3/8
 - Top flange width: M.5
- Middle Component (Metal Flange):**
 - Central hole diameter: 16.3
 - Flange diameter: 45
 - Flange thickness: 8
 - Distance from flange to first hole: 31.5
 - Distance between holes: 45
 - Distance from flange to last hole: 31.5
 - Distance from flange to center of last hole: 83.4
 - Distance from flange to center of first hole: 60
 - Distance from flange to center of second hole: 30
 - Distance from flange to center of third hole: 30
 - Distance from flange to center of fourth hole: 30
 - Distance from flange to center of fifth hole: 30
 - Distance from flange to center of sixth hole: 30
 - Distance from flange to center of seventh hole: 30
 - Distance from flange to center of eighth hole: 30
 - Distance from flange to center of ninth hole: 30
 - Distance from flange to center of tenth hole: 30
 - Distance from flange to center of eleventh hole: 30
 - Distance from flange to center of twelfth hole: 30
 - Distance from flange to center of thirteenth hole: 30
 - Distance from flange to center of fourteenth hole: 30
 - Distance from flange to center of fifteenth hole: 30
 - Distance from flange to center of sixteenth hole: 30
 - Distance from flange to center of seventeenth hole: 30
 - Distance from flange to center of eighteenth hole: 30
 - Distance from flange to center of nineteenth hole: 30
 - Distance from flange to center of twentieth hole: 30
 - Distance from flange to center of twenty-first hole: 30
 - Distance from flange to center of twenty-second hole: 30
 - Distance from flange to center of twenty-third hole: 30
 - Distance from flange to center of twenty-fourth hole: 30
 - Distance from flange to center of twenty-fifth hole: 30
 - Distance from flange to center of twenty-sixth hole: 30
 - Distance from flange to center of twenty-seventh hole: 30
 - Distance from flange to center of twenty-eighth hole: 30
 - Distance from flange to center of twenty-ninth hole: 30
 - Distance from flange to center of thirtieth hole: 30
 - Distance from flange to center of thirty-first hole: 30
 - Distance from flange to center of thirty-second hole: 30
 - Distance from flange to center of thirty-third hole: 30
 - Distance from flange to center of thirty-fourth hole: 30
 - Distance from flange to center of thirty-fifth hole: 30
 - Distance from flange to center of thirty-sixth hole: 30
 - Distance from flange to center of thirty-seventh hole: 30
 - Distance from flange to center of thirty-eighth hole: 30
 - Distance from flange to center of thirty-ninth hole: 30
 - Distance from flange to center of fortieth hole: 30
 - Distance from flange to center of forty-first hole: 30
 - Distance from flange to center of forty-second hole: 30
 - Distance from flange to center of forty-third hole: 30
 - Distance from flange to center of forty-fourth hole: 30
 - Distance from flange to center of forty-fifth hole: 30
 - Distance from flange to center of forty-sixth hole: 30
 - Distance from flange to center of forty-seventh hole: 30
 - Distance from flange to center of forty-eighth hole: 30
 - Distance from flange to center of forty-ninth hole: 30
 - Distance from flange to center of fiftieth hole: 30
 - Distance from flange to center of fifty-first hole: 30
 - Distance from flange to center of fifty-second hole: 30
 - Distance from flange to center of fifty-third hole: 30
 - Distance from flange to center of fifty-fourth hole: 30
 - Distance from flange to center of fifty-fifth hole: 30
 - Distance from flange to center of fifty-sixth hole: 30
 - Distance from flange to center of fifty-seventh hole: 30
 - Distance from flange to center of fifty-eighth hole: 30
 - Distance from flange to center of fifty-ninth hole: 30
 - Distance from flange to center of sixtieth hole: 30
 - Distance from flange to center of sixty-first hole: 30
 - Distance from flange to center of sixty-second hole: 30
 - Distance from flange to center of sixty-third hole: 30
 - Distance from flange to center of sixty-fourth hole: 30
 - Distance from flange to center of sixty-fifth hole: 30
 - Distance from flange to center of sixty-sixth hole: 30
 - Distance from flange to center of sixty-seventh hole: 30
 - Distance from flange to center of sixty-eighth hole: 30
 - Distance from flange to center of sixty-ninth hole: 30
 - Distance from flange to center of seventieth hole: 30
 - Distance from flange to center of seventy-first hole: 30
 - Distance from flange to center of seventy-second hole: 30
 - Distance from flange to center of seventy-third hole: 30
 - Distance from flange to center of seventy-fourth hole: 30
 - Distance from flange to center of seventy-fifth hole: 30
 - Distance from flange to center of seventy-sixth hole: 30
 - Distance from flange to center of seventy-seventh hole: 30
 - Distance from flange to center of seventy-eighth hole: 30
 - Distance from flange to center of seventy-ninth hole: 30
 - Distance from flange to center of eightieth hole: 30
 - Distance from flange to center of eighty-first hole: 30
 - Distance from flange to center of eighty-second hole: 30
 - Distance from flange to center of eighty-third hole: 30
 - Distance from flange to center of eighty-fourth hole: 30
 - Distance from flange to center of eighty-fifth hole: 30
 - Distance from flange to center of eighty-sixth hole: 30
 - Distance from flange to center of eighty-seventh hole: 30
 - Distance from flange to center of eighty-eighth hole: 30
 - Distance from flange to center of eighty-ninth hole: 30
 - Distance from flange to center of ninetieth hole: 30
 - Distance from flange to center of ninety-first hole: 30
 - Distance from flange to center of ninety-second hole: 30
 - Distance from flange to center of ninety-third hole: 30
 - Distance from flange to center of ninety-fourth hole: 30
 - Distance from flange to center of ninety-fifth hole: 30
 - Distance from flange to center of ninety-sixth hole: 30
 - Distance from flange to center of ninety-seventh hole: 30
 - Distance from flange to center of ninety-eighth hole: 30
 - Distance from flange to center of ninety-ninth hole: 30
 - Distance from flange to center of one hundred hole: 30
- Right Component (Bolt):**
 - Head diameter: 14.5
 - Length: 30.5
 - Thread: G 3/8
 - Applied torque: 1 Nm

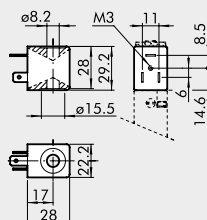
The technical drawing illustrates the dimensions of the M6000-10000 hydraulic cylinder from three perspectives:

- Front View (Left):** Shows the main body with a diameter of $\varnothing 4.5$. The total height is 83.4 mm. The distance between the two mounting flanges is 60 mm. The top flange has a thickness of 30.5 mm. The bottom flange has a thickness of 30.5 mm. The mounting holes have a diameter of G 3/8".
- Side View (Middle):** Shows the side profile with a total width of 45 mm. The top flange has a thickness of 12x30°. The distance between the mounting flanges is 36 mm. The total height is 83.4 mm. The distance between the mounting flanges is 60 mm. The mounting holes have a diameter of $\varnothing 4.5$. The bottom flange has a thickness of 30.5 mm. The mounting holes have a diameter of G 3/8".
- End View (Right):** Shows the end profile with a total width of 30 mm. The top flange has a thickness of 17.5 mm. The distance between the mounting flanges is 30.5 mm. The mounting holes have a diameter of $\varnothing 4.5$.

B1.42

COILS AND CONNECTORS FOR SERIES 70, NAMUR AND SERIES BASIC VALVES

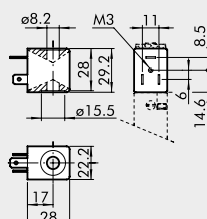
COILS SIDE 22 mm



- Voltage tolerance: -10% + 15%
- Insulation class: F155
- Degree of protection: IP65 DIN 40050 with connector
- Avoid prolonged exposure to atmospheric agents
- Coil temperature 100% ED: 55°C at 20°C ambient temperature
- According to ATEX 2014/34/EU rule, group 2, category 3 GD
- Electrical connection DIN 43650 B-IND

Code	Abbrev.	Nominal voltage	Absorption	
			Inrush	Holding
W0215000151	Coil 22 Ø 8 BA 2W-12VDC	12Vcc	2W	2W
W0215000101	Coil 22 Ø 8 BA 2W-24VDC	24Vcc	2W	2W
W0215000111	Coil 22 Ø 8 BA 3.5VA-24VAC	24V 50/60Hz	5.3VA	3.5VA
W0215000121	Coil 22 Ø 8 BA 3.5VA-110VAC	110V 50/60Hz	5.3VA	3.5VA
W0215000131	Coil 22 Ø 8 BA 3.5VA-220VAC	220V 50/60Hz	5.3VA	3.5VA

"UL" AND "CSA" COILS 22 mm

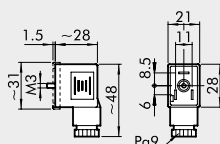


- Voltage tolerance: -10% to +15%
- Insulation class: F155
- Degree of protection: IP65 EN60529 with connector
- Avoid prolonged exposure to the atmospheric agents
- Coil temperature 100% ED: 55°C at 20°C ambient temperature
- Electrical connection DIN 43650 B-IND

Code	Abbrev.	Nominal voltage	Absorption	
			Inrush	Holding
W0215000251	Coil 22 Ø 8 BA 2W-12VDC UR	12Vcc	2W	2W
W0215000201	Coil 22 Ø 8 BA 2W-24VDC UR	24Vcc	2W	2W
W0215000211	Coil 22 Ø 8 BA 3.5VA-24VAC UR	24V 50/60Hz	5.3VA	3.5VA
W0215000221	Coil 22 Ø 8 BA 3.5VA-110VAC UR	110V 50/60Hz	5.3VA	3.5VA
W0215000231	Coil 22 Ø 8 BA 3.5VA-220VAC UR	220V 50/60Hz	5.3VA	3.5VA

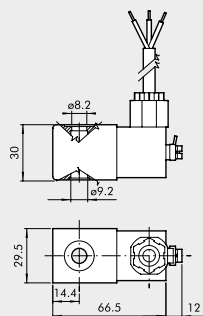


CONNECTOR FOR COILS SIDE 22 mm DIN 43650 B-IND



Code	Tipo	Colour	Ø Cable
W0970510011	Standard	Black	PG9
W0970510012	LED 24V	Transparent	PG9
W0970510013	LED 110V	Transparent	PG9
W0970510014	LED 220V	Transparent	PG9
W0970510015	LED + VDR 24V	Transparent	PG9
W0970510016	LED + VDR 110V	Transparent	PG9
W0970510017	LED + VDR 220V	Transparent	PG9
W0970510070	Atex II 2 GD	Black	PG9

KIT COIL EEXM



Code	Description
0227606913	Kit for coil 30 24VDC EEXMT5 cable 3 m
0227606915	Kit for coil 30 24VDC EEXMT5 cable 5 m
0227608013	Kit for coil 30 24VAC EEXMT5 cable 3 m
0227608015	Kit for coil 30 24VAC EEXMT5 cable 5 m
0227608023	Kit for coil 30 110VAC EEXMT5 cable 3 m
0227608025	Kit for coil 30 110VAC EEXMT5 cable 5 m
0227608033	Kit for coil 30 230VAC EEXMT5 cable 3 m
0227608035	Kit for coil 30 230VAC EEXMT5 cable 5 m

According to Atex 2014/34/EU rule: II 2G Ex mb IIC T4/T5 Gb
 II 2D Ex tb IIIC T130/T95 °C IP66 Db

N.B.: Supplied complete with adapter for Ø8 mm sleeve.

N.B.: It's not possible to mount valves having these coils on bases or on manifolds, because the width of 29.5 mm is higher than the distance between the valves. Special bases can be manufactured on request.

KIT COILS SIDE 22 IP65

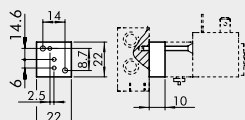


Code	Description
0222100100	Kit for coils 22 - IP65

Improved IP65 protection, even after prolonged exposure to atmospheric agents.
Applicable to valves with a technopolymer control.

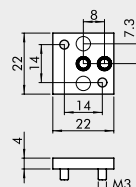


NC/NO ADAPTER FOR PIV.T VALVES



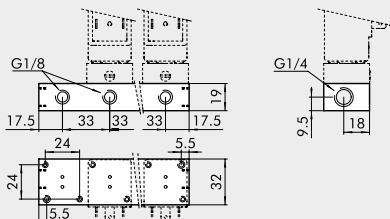
Code	Description	Abbrev.	Weight [g]
W0400101190	NC/NO adapter	I-9000	15

BASE BLANKING PLATE FOR PIV.T VALVES, UNUSED POSITIONS



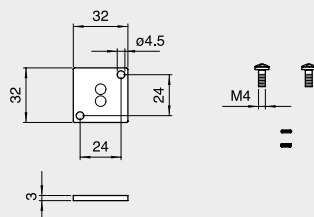
Code	Description	Abbrev.	Weight [g]
W0400112000	Blanking plate	B6000	5

MULTIPLE BASES FOR PIV.B VALVES



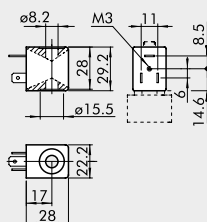
Code	Description	Abbrev.	Weight [g]
W0400101201	Base 1 position	B4001	42
W0400101202	Base 2 positions	B4002	94
W0400101203	Base 3 positions	B4003	142
W0400101204	Base 4 positions	B4004	188
W0400101205	Base 5 positions	B4005	234
W0400101206	Base 6 positions	B4006	280
W0400101207	Base 7 positions	B4007	326
W0400101208	Base 8 positions	B4008	372
W0400101209	Base 9 positions	B4009	418

BASE BLANKING PLATE FOR PIV.B VALVES, UNUSED POSITIONS



Code	Description	Weight [g]
W0400112001	Blanking plate	14

COILS, SIDE 22 mm FOR PIV.I SOLENOID VALVES, OPERATOR Ø 8



- Voltage tolerance: -10 to +15%
- Insulation class: F155
- Degree of protection: IP65 – EN60529 with connector
- Avoid prolonged exposure to the atmospheric agents.
- Maximum coil temperature at 100% use: 70°C at 20° ambient temperature
- According to Atex 2014/34/EU rule, group 2, category 3 GD
- Electrical connection DIN 43650 B-IND

Code	Abbrev.	Nominal voltage	Absorption	
			Inrush	Holding
W0215000051	Coil 22 Ø 8 5W-12VDC	12Vcc	5W	5W
W0215000001	Coil 22 Ø 8 5W-24VDC	24Vcc	5W	5W
W0215000011	Coil 22 Ø 8 5VA-24VAC	24V 50/60Hz	8VA	5VA
W0215000021	Coil 22 Ø 8 5VA-110VAC	110V 50/60Hz	8VA	5VA
W0215000031	Coil 22 Ø 8 5VA-220VAC	220V 50/60Hz	8VA	5VA

VALVES

ACCESSORIES FOR SOLENOID VALVES PIV ON BASE

Accessories

	Art. No.	Type No.
Solenoid, 22 mm x Ø 8 mm, electrical connection equipment type B, 24 V AC, 50/60 Hz, 5 VA	118633	400-517-01
Solenoid, 22 mm x Ø 8 mm, electrical connection equipment type B, 110 V AC, 50/60 Hz, 5 VA	118634	400-517-07
Solenoid, 22 mm x Ø 8 mm, electrical connection equipment type B, 230 V AC, 50/60 Hz, 5 VA	118635	400-517-17
Solenoid, 22 mm x Ø 8 mm, electrical connection equipment type B, 24 V DC, 5 W	118637	400-517-42
plug connector with LED, 230 V, 22 mm, type B, housing transparent, with seal and screw	117314	1920.9PL.17
plug connector with LED, 24 V, 22 mm, type B, housing transparent, with seal and screw	117316	1920.9PL.42
plug connector with LED, varistor 230 V, 22 mm, type B, housing transparent, with seal and screw	117317	1920.9PLV17
plug connector with LED, varistor 24 V, 22 mm, type B, housing transparent, with seal and screw	117318	1920.9PLV42
plug connector, 22 mm, type B, housing standard black, ATEX II 2 GD, with seal and screw	151011	1920.9PL110
plug connector with LED, 110 V, 22 mm, type B, housing transparent, with seal and screw	129849	1920.9PLV110

Spareparts

	Art. No.	Type No.
Solenoid, 22 mm x Ø 8 mm, electrical connection equipment type B, 12 V DC, 5 W	118636	400-517-41
plug connector, 22 mm, type B, housing standard black, with seal and screw	117313	1920.9P
3/2-way valve low temperature, electropneumatic, monostable, G 3/8, NC, pmax 10 bar, T = - 40 ... 60 °C, alum., w/o connector/coil	149935	70L4020200