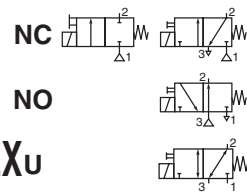




MINI-SOLENOID VALVES

non-sparking protection
II 3G Ex nA IIC T6..T4 Gc, II 3D Ex tc IIIC IP65 T85°C..T135°C Dc
ISO 15218 (CNOMO, size 15) interface
direct operated, pad mounting body, connector size 15



2/2-3/2
Series
302
(CFSCZN
prefix)

FEATURES

- Mini-low consumption valves for use in potentially explosive atmospheres according to ATEX-Directive 2014/34/EU
- EC type examination certificate (INERIS 10 ATEX 3016X) is in compliance with the European Standards EN 60079-0, EN 60079-15 and EN 60079-31
- Compact, monobloc solenoid pilot valve with spade-plug connector type DIN 43650, form C with 9,4 mm spacing
- Version without integrated LED and electrical protection
- Universal version for vacuum operation (3/2 way)

GENERAL

Differential pressure

See «SPECIFICATIONS» [1 bar = 100 kPa]

Pneumatic base

ISO 15218 (CNOMO E06.36.120N, size 15)

Connection

Subbase

Response time

8 - 15 ms

fluids (*)	temperature range (TS)	seal materials (*)
air or inert gas	- 25°C to + 40°C (LP2) ⁽¹⁾	NBR (nitrile)
filtered at 50 µm, lubricated or not		FPM (fluoroelastomer)

⁽¹⁾ LP2: see "electrical characteristics" table

MATERIALS IN CONTACT WITH FLUID

(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body

PARA

Internal parts

POM, PET, stainless steel and brass

Seals

NBR (disc), FPM (others)

Pneumatic interface seal

TPE

OTHER MATERIALS

Coil

Thermoplastic PET

Enclosure with PVC cable

PP (polypropylene) glass-fibre reinforced

ELECTRICAL CHARACTERISTICS

SAFETY CODE

Coil insulation class

F

II 3G Ex nA IIC T6..T4 Gc

II 3D Ex tc IIIC IP65 T 85°C..T 135°C Dc

Connector

Spade plug (2 m cable length)

Connector specification

DIN 43650, 9,4 mm, form C

Electrical safety

IEC 335

Electrical enclosure protection

Moulded IP65 (EN 60529)

Standard voltages

DC (=) : 24V

(Other voltages on request)

AC (~) : Contact us

coils		power ratings	max. ambient temperature °C ⁽²⁾			type ⁽⁴⁾
power level	voltages	hot/cold =	surface temperature			
	=	(W)	T6 85°C	T5 100°C	T4 135°C	
LP2 ⁽³⁾	24	1 / 1,2	40	55	60	01

For versions with LED indicator and electrical protection:
Contact us

⁽²⁾ The minimum allowable ambient temperature is -25°C.
Actual temperature range can be limited depending on valve operation limits.

⁽³⁾ Voltage: -15% / +20%

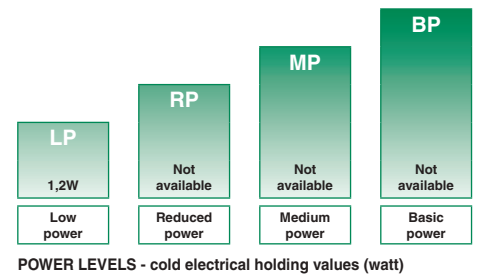
⁽⁴⁾ Refer to the dimensional drawings on the following page.

SPECIFICATIONS

orifice size	flow				operating pressure differential (bar)		power level	basic catalogue number			
	at 6 bar l/min (ANR)	coefficient Kv		manual operator							
				impulse		maintained					
(mm)					min.	max. (PS)		~	=	~	=
	1 → 2	2 → 3	1 → 2	2 → 3							
2/2 NC - Normally closed (Without LED and protection)											
1,5	39	-	0,50	-	0	3	LP2	-	30211022NAD	-	30211023NAD
3/2 NC - normally closed (Without LED and protection)											
0,6	11	20	0,11	0,26	0	10	LP2	-	30211109NAD	-	30211110NAD
0,8	17	28	0,22	0,35	0	8	LP2	-	30211112NAD	-	30211113NAD
1,1	32	51	0,35	0,50	0	5	LP2	-	30211118NAD	-	30211119NAD
1,5	39	53	0,50	0,56	0	3	LP2	-	30211124NAD	-	30211125NAD
	3 → 2	2 → 1	3 → 2	2 → 1							
3/2 NO - normally open (Without LED and protection)											
0,8	20	17	0,26	0,20	0	8	LP2	-	30211130NAD	-	-
1	28	32	0,35	0,35	0	5	LP2	-	30211136NAD	-	-
1,5	53	39	0,56	0,50	0	2	LP2	-	30211142NAD	-	-
	1 ↔ 2	2 ↔ 3	1 ↔ 2	2 ↔ 3							
3/2 U - universal (Without LED and protection)											
0,8	17	20	0,20	0,26	0	6	LP2	-	30211148NAD	-	30211149NAD

When ordering, please specify, in addition to the basic catalogue number, the type of current: voltage

Examples: 24V DC: **30211009NAD** 24V DC



POWER LEVELS - cold electrical holding values (watt)

OPTIONS AND ACCESSORIES

- Seals and disc made of FPM (fluoroelastomer)
- Version without manual operator
- Version with pneumatic-electric interface

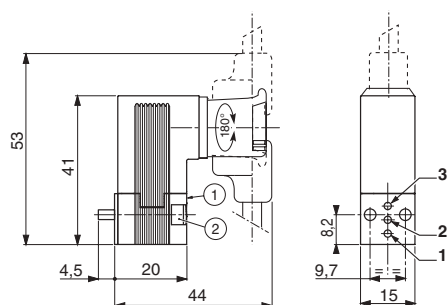
INSTALLATION

- Multi language installation/maintenance instructions are included with each valve
- The solenoid valves can be mounted in any position without affecting operation
- **Pre-wired connector, supplied and certified with the product (DIN 43650, 9,4 mm, form C, with 2 m cable length). For connection, only use the connector supplied with the product**
- Solenoid valve supplied with mounting screws and mounting pad seal(s)

DIMENSIONS (mm), WEIGHT (kg)



TYPE 01:
CFSCZN
302 pilot
Polyarylamide
IEC 335 / DIN 43650



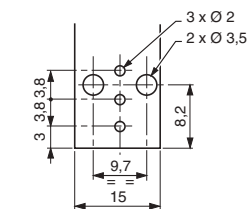
- ① Manual operator location
- ② 2 mounting screw M3 x 20

		connection		
function	1	2	3	
2/2 way				
	NC	P	U	-
3/2 way				
	NC	P	U	E
	NO	E	U	P
universal	MIX	P2	U	P1
	SEL	U 2	P	U 1

P: Pressure
E: Exhaust

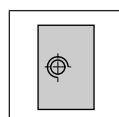
U: Outlet

Subbase mounting surface: ISO 15218
(CNOMO E06.36.120N, size 15)

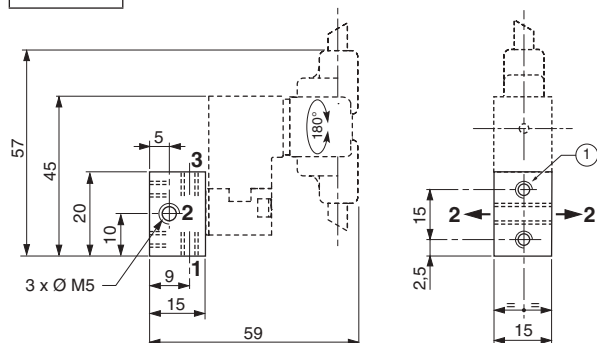


weight ⁽¹⁾
0,14

⁽¹⁾ with connector.



Single subbase
Aluminium or brass

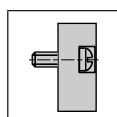


- ① Mounting: 2 holes M3, depth 4,5

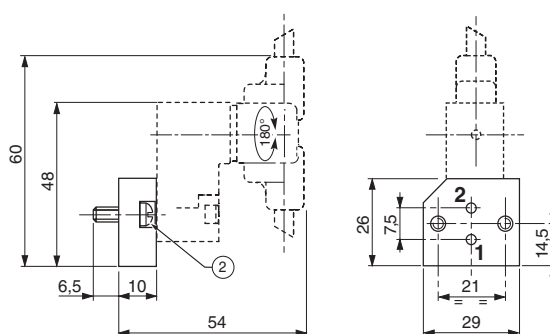
Orifice (2) can be connected on the left or on the right of the subbase.

material	catalogue number	weight ⁽¹⁾
aluminium	88263002	0,011
brass	30300001	0,034

⁽¹⁾ subbase alone



Adapter CNOMO size 30
(only for NC version)
Aluminium



- ② Mounting: 2 screws M4 x 10 (supplied)

catalogue number	weight ⁽²⁾
88263001	0,018

⁽²⁾ adapter alone