

GEMÜ 0324 Electrically operated pilot solenoid valve



Features

- Robust design
- · Coil easy to replace
- Option: integrated LED (M12 version)

- Multi-functional application possibilities due to various designs
- Modular battery mounting

Description

The GEMÜ 0324 directly controlled 3/2-way pilot solenoid valve is designed for direct mounting to pneumatically operated valves. The body is made of plastic. The coil is plastic encapsulated.

Technical specifications

• Media temperature: -10 to 50 °C

- Ambient temperature: -10 to 50 °C
- Operating pressure: 0 to 10 bar
- Nominal size : DN 2
- Electrical connection types: Plug, design A I M12 plug
- Supply voltages: 120 V AC, 50/60 Hz I 230 V AC, 50/60 Hz I 24 V AC, 50/60 Hz I 24 V DC
- Connection types: Threaded connection
- Body materials: PA
- Conformities: ATEX | EAC | SIL





Product line

	GEMÜ 0322	GEMÜ 0324	GEMÜ 0326
Nominal sizes	DN 2	DN 2	DN 2
Voltage			
120 V AC, 50/60 Hz	•	•	•
230 V AC, 50/60 Hz	•	•	•
24 V AC, 50/60 Hz	•	•	•
24 V DC	•	•	•
Media temperature *	-10 to 50 °C	-10 to 50 °C	-10 to 50 °C
Operating pressure *	0 to 10 bar	0 to 10 bar	0 to 10 bar
Connection types			
Threaded connection	•	•	•
Housing material			
PA	•	•	•
PA t depending on version and (•	•

* depending on version and/or operating parameters

Product description



ltem	Name	Materials
1	Plug	PA
2	Coil housing	Standard: PA 6 M12 connection: Duroplast (Epoxyd NU463) ATEX version: PPS
3	Valve body	РВТ
4	Hollow bolt	Aluminium
	Seal materials	FPM

GEMÜ CONEXO

The interaction of valve components that are equipped with RFID chips and an associated IT infrastructure actively increase process reliability.



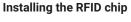
Thanks to serialization, every valve and every relevant valve component such as the body, actuator or diaphragm, and even automation components, can be clearly traced and read using the CONEXO pen RFID reader. The CONEXO app, which can be installed on mobile devices, not only facilitates and improves the "installation qualification" process, but also makes the maintenance process much more transparent and easier to document. The app actively guides the maintenance technician through the maintenance schedule and directly provides him with all the information assigned to the valve, such as test reports, testing documentation and maintenance histories. The CONEXO portal acts as a central element, helping to collect, manage and process all data.

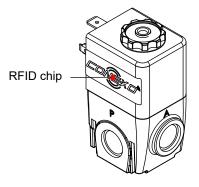
For further information on GEMÜ CONEXO please visit:

www.gemu-group.com/conexo

Ordering

GEMÜ Conexo must be ordered separately with the ordering option "CONEXO" (see order data).





Availability

Electrical		Voltage/Frequency code ²⁾			Control function code ³⁾	
connection code ¹⁾	C1	C4	G4	L4		2
00	Х	Х	Х	Х	-	Х
01	Х	Х	Х	Х	Х	Х
02	Х	-	-	-	Х	-
03	Х	-	-	-	Х	-
05	Х	Х	Х	Х	Х	Х
08	Х	Х	Х	Х	Х	Х
09	Х	-	-	-	Х	Х

1) Electrical connection

Code 00: Plug design A Code 01: Plug design A, with cable socket, without cable Code 02: M12 plug Code 03: M12 plug, with cable socket, without cable Code 05: Plug design A, with cable socket and 3m cable, encapsulated Code 08: Plug design A, with cable socket, without cable, glow lamp Code 09: Plug design A, with cable socket, without cable, green LED, erazing diode

2) Voltage/Frequency

Code C1: 24 V DC Code C4: 24 V/50 - 60 Hz Code G4: 120 V/50 - 60 Hz Code L4: 230 V/50 - 60 Hz

3) Control function

Code 1: Normally closed (NC) Code 2: Normally open (NO)

Control function	Option	
	ATEX version ¹⁾ code 01, 04, 05, 07, 11	Without ATEX approval ²⁾ code 00, 02, 03, 06, 08, 09
Normally closed (code 1)	Х	Х
Normally open (code 2)	-	Х

1) ATEX versions

Option Code 01: ATEX Code 04: ATEX, manual override Code 05: ATEX silencer Code 07: ATEX, manual override, silencer Code 11: ATEX, manual override, silencer with exhaust air throttle

2) Without ATEX approval

Option Code 00: Without Code 02: Manual override Code 03: Silencer Code 06: Manual override, silencer Code 08: Manual override, silencer with exhaust air throttle Code 09: Silencer with exhaust air throttle

Order data

The order data provide an overview of standard configurations.

Please check the availability before ordering. Other configurations available on request.

Order codes

1 TypeCodePilot solenoid valve, directly controlled, direct mount/hollow bolt03242 DNCodeDN 223 Body configurationCodeMulti-port versionM4 Connection typeCodeThreaded socket DIN ISO 228, with hollow bolt G 1/414Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt G 1/8M55 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC1230 V/50 - 60 HzC4230 V/50 - 60 HzC4230 V/50 - 60 HzC49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable (only NC and 24V DC version)03M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)08Plug design A, with cable socket, without cable, (only NC and 24V DC version)08		
direct mount/hollow boltCode2 DNCodeDN 223 Body configurationCodeMulti-port versionM4 Connection typeCodeThreaded socket DIN ISO 228, with hollow bolt G 1/414Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt G 1/8M5S Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V/50 - 60 HzC4120 V/50 - 60 HzC4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable, (only NC and 24V DC version)03M12 plug, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only NT and 24V DC version)05	1 Туре	Code
DN 223 Body configurationCodeMulti-port versionM4 Connection typeCodeThreaded socket DIN ISO 228, with hollow bolt G 1/414Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt M5M55 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V DCC124 V DCC124 V DCC4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable03M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only AC and 24V persion)03Plug design A, with cable socket, without cable, encapsulated (only ATEX version)03Plug design A, with cable socket, without cable, encapsulated (only ATEX version)04		0324
3 Body configurationCodeMulti-port versionM4 Connection typeCodeThreaded socket DIN ISO 228, with hollow bolt G 1/414Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt M5M55 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V DCC124 V DCC124 V DCC4230 V/50 - 60 HzC4230 V/50 - 60 HzC49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable03M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, encapsulated (only ATEX version)08	2 DN	Code
Multi-port versionM4 Connection typeCodeThreaded socket DIN ISO 228, with hollow bolt G 1/414Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt M5M55 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V DCC1230 V/50 - 60 HzC4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)04	DN 2	
Multi-port versionM4 Connection typeCodeThreaded socket DIN ISO 228, with hollow bolt G 1/414Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt M5M55 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V DCC1230 V/50 - 60 HzC4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)05	2 Pody configuration	Codo
4 Connection typeCodeThreaded socket DIN ISO 228, with hollow bolt G 1/414Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt M5M55 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4230 V/50 - 60 HzC4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable (only NC and 24V DC version)03M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, si m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, si m cable, encapsulated (only ATEX version)08		
Threaded socket DIN ISO 228, with hollow bolt G 1/414Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt M5M5 5 Valve body/solenoid material CodePA, polyamide74 6 Seal material CodeFPM4 7 Control function CodeNormally closed (NC)1Normally open (NO)2 8 Voltage/Frequency Code24 V DCC124 V DCC124 V DCC420 V/50 - 60 HzG4230 V/50 - 60 HzL4 9 Electrical connection CodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08	· ·	
with hollow bolt G 1/4I8Threaded socket DIN ISO 228, with hollow bolt G 1/818Threaded socket DIN ISO 228, with hollow bolt M5M55 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V DCC124 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)08		
with hollow bolt G 1/8M5Threaded socket DIN ISO 228, with hollow bolt M5M55 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V JCC124 V/50 - 60 HzC4230 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08		14
with hollow bolt M5Code5 Valve body/solenoid materialCodePA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08		18
PA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)08		M5
PA, polyamide746 Seal materialCodeFPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)08	5 Valve body/solenoid material	Code
FPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only ATEX version)08		74
FPM47 Control functionCodeNormally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only ATEX version)08	6 Seal material	Code
Normally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08		
Normally closed (NC)1Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08	7. O antrol function	Oada
Normally open (NO)28 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only NC and 24V DC version)08		
8 Voltage/FrequencyCode24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08		
24 V DCC124 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08	Normally open (NO)	Z
24 V/50 - 60 HzC4120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, with cable socket, without cable, (only NC and 24V DC version)03M12 plug, with cable socket, and cable, (only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08	8 Voltage/Frequency	Code
120 V/50 - 60 HzG4230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, (only NC and 24V DC version)03M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)08	24 V DC	C1
230 V/50 - 60 HzL49 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only ATEX version)08	24 V/50 - 60 Hz	C4
9 Electrical connectionCodePlug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, (only NC and 24V DC version)03M12 plug, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only ATEX version)08	120 V/50 - 60 Hz	G4
Plug design A00Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only ATEX version)08	230 V/50 - 60 Hz	L4
Plug design A, with cable socket, without cable01M12 plug, (only NC and 24V DC version)02M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, (only ATEX version)08	9 Electrical connection	Code
with cable socket, without cable02M12 plug, (only NC and 24V DC version)03M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, encapsulated (only ATEX version)08	Plug design A	00
M12 plug, (only NC and 24V DC version)02M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, 0808	Plug design A,	01
(only NC and 24V DC version)03M12 plug, with cable socket, without cable, (only NC and 24V DC version)03Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable, 0808	with cable socket, without cable	
with cable socket, without cable, (only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable,08		02
(only NC and 24V DC version)05Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable,08		03
Plug design A, with cable socket, 3 m cable, encapsulated (only ATEX version)05Plug design A, with cable socket, without cable,08		
with cable socket, 3 m cable, encapsulated (only ATEX version)08Plug design A, with cable socket, without cable,08		0.5
encapsulated (only ATEX version)Plug design A,08with cable socket, without cable,08		05
Plug design A, 08 with cable socket, without cable,		
with cable socket, without cable,		08
glow lamp (for ≥ 120 V)		
	glow lamp (for ≥ 120 V)	

9 Continuation of Electrical connection	Code
Plug design A with cable socket, without cable, green LED, suppression diode, (only for 24V DC version)	09
10 Option	Code
Without	00
ATEX (only electrical connection 05, only control function normally closed)	01
Manual override (only control function 1, normally closed)	02
Silencer	03
ATEX, manual override (only electrical connection 05 and for control function 1, normally closed)	04
ATEX silencer (only electrical connection 05 and for control function 1, normally closed)	05
Manual override, silencer (only control function 1, normally closed)	06
ATEX, manual override, silencer (only electrical connection 05 and for control function 1, normally closed)	07
Manual override, silencer with exhaust air throttle (only control function 1, normally closed)	08
Silencer with exhaust air throttle	09
ATEX, manual override, silencer with exhaust air throttle (only electrical connection 05 and for control function 1, normally closed)	11
11 Maximum operating pressure	Code
10 bar	10
12 Type of design	Code
Without	
Media wetted area cleaned to ensure suitability for paint applications, parts sealed in plastic bag	0101
13 CONEXO	Code
without	
Integrated RFID chip for electronic identification and traceability	С

Order example

Order option	Code	Description
1 Туре	0324	Pilot solenoid valve, directly controlled, direct mount/hollow bolt
2 DN	2	DN 2
3 Body configuration	Μ	Multi-port version
4 Connection type	14	Threaded socket DIN ISO 228, with hollow bolt G 1/4
5 Valve body/solenoid material	74	PA, polyamide
6 Seal material	4	FPM
7 Control function	1	Normally closed (NC)
8 Voltage/Frequency	C1	24 V DC
9 Electrical connection	01	Plug design A, with cable socket, without cable
10 Option	00	Without
11 Maximum operating pressure	10	10 bar
12 Type of design		Without
13 CONEXO		without

Technical data

Medium

Working medium:	Quality classes to DIN ISO 8573-1	
Dust content:	Class 4, max. particle size 15 μm , max. particle density 8 mg/m³	
Oil content:	Class 4, max. oil concentration 5 mg/m³	
Pressure dew point:	Class 4, max. pressure dew point +3 °C	
Temperature		
Ambient temperature:	-10 to 50 °C	
Media temperature:	-10 to 50 °C	
Pressure		
Operating pressure:	0 to 10 bar	

Flow rate:	Control function:	
	Normally closed (code 1):	70 l/min
	Normally open (code 2):	40 l/min

Product compliance

Explosion protection:	ATEX (2014/34/EU), order code Option
ATEX marking:	Gas: 🐵 II 2G Ex mb II T4
	Dust: 🐵 II 2D Ex tD A21 IP65 T130°C
	Type examination certificate: PTB 03 ATEX 2018 X

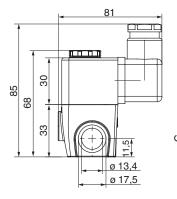
Mechanical data

Weight:	150 g	
Corrosion resistance class:	KBK 2	
Isolation class:	F	
Protection class:	IP 65	
Max. switching frequency:	5 Hz	
Switching times:	On: Off:	11 ms 20 ms

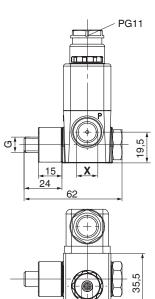
Electrical data

Supply voltage:	AC operation: 24 V, 120 V DC operation: 24 V	, 230 V	
Power consumption:	AC operation		
	Normally closed (NC)	Pull in: 11.5 W Hold in: 8.5 W	
	Normally open (NO)	6.8 W	
	DC operation		
	Normally closed (NC)	4.5 W	
	Normally open (NO)	6,8 W	
Permissible voltage tolerance:	±10 % to VDE 0580		
Duty cycle:	Continuous duty		
Max. perm. ripple:	20 %		
Electrical connection	Plug design A		
type:	Cable diameter: 8 to 10 m	m	
	Optional: M12 plug, cable	socket	
	Optional: ATEX version wi	th 3 m cable (H05V2V2-F 3G1, external Ø 7 mm)	
Note:	DC coils are used for the AC version of normally open (NO) solenoid valves. For these AC applications with normally open (NO) valves a plug with an integrated bridge rectifier must be used (e.g. GEMÜ 1221 000 Z 0012 230 50/60).		

Dimensions



X: G 1/4 (connection code 14) G 1/8 (connection code 18) M5 (connection code M5)



____<u>M5</u> 30

Dimensions in mm

Electrical connection

M12 plug (code 02, 03)

Pin assignment



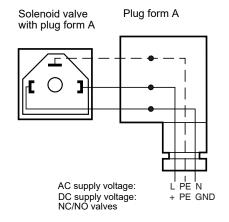
Plug assignment X1 (A-coded)

Pin	Signal name
1	n. c.
2	n. c.
3	Uv, GND
4	Uv, 24 V DC supply voltage
5	n. c.

Plug design A (code 00, 01, 05, 06, 08, 09, 10)

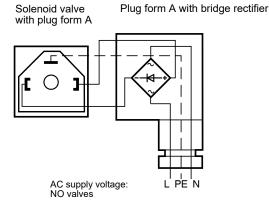
Without bridge rectifier

Control function 1 (NC), AC/DC voltage control function 2 (NO), DC voltage

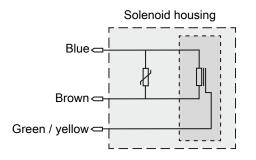


With bridge rectifier

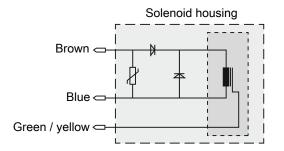
Control function 2 (NO), AC voltage



ATEX version (DC version)



ATEX version (AC version)







GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG Fritz-Müller-Straße 6-8, 74653 Ingelfingen-Criesbach, Germany Phone +49 (0)7940 123-0 · info@gemue.de www.gemu-group.com