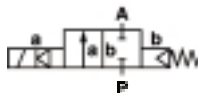


Buschjost 85720 / 85730 Series

Solenoid actuated, with forced lifting

8 to 50 mm orifice (ND)

2/2, NC, G¼ to G½ / ¼ NPT to 2 NPT



High flow rate

For robust industry solutions

Damped operation

Valve operates without pressure differential

Solenoid interchangeable without tools (Click-on®) to G1

Technical data

Medium:

Neutral gases and liquids

Viscosity:

With gases and liquids up to

40 mm²/s (cSt)

Flow direction:

Fixed

Mounting:

Solenoid facing vertically

downwards (up to +150°C

preferably with solenoid facing

vertically upwards)

Fluid temperature:

0°C to max. +200°C

Ambient temperature:

0°C to max. +60°C

Consult our Technical Service for use below +2°C

Materials

Body: brass

Seat seal: PTFE

Internal parts: stainless steels,

PTFE/carbon/FPM

For contaminated fluids installation of an upstream filter is recommended.



Orifice (mm)	Port size	Operating pressure (bar)**	kv value m ³ /h*	Total weight (kg)	Model
8	G 1/4	0 ... 16	1,9	2,40	8572000xxxx*****
10	G 3/8	0 ... 16	3,0	2,40	8572100xxxx*****
12	G 1/2	0 ... 16	3,8	2,50	8572200xxxx*****
20	G 3/4	0 ... 16	6,1	2,70	8572300xxxx*****
25	G 1	0 ... 16	9,5	3,10	8572400xxxx*****
32	G 1¼	0 ... 16	23,0	5,60	8572500xxxx*****
40	G 1½	0 ... 16	25,0	5,40	8572600xxxx*****
50	G 2	0 ... 16	41,0	6,80	8572700xxxx*****
8	1/4 NPT	0 ... 16	1,9	2,40	8573000xxxx*****
10	3/8 NPT	0 ... 16	3,0	2,40	8573100xxxx*****
12	1/2 NPT	0 ... 16	3,8	2,50	8573200xxxx*****
20	3/4 NPT	0 ... 16	6,1	2,70	8573300xxxx*****
25	1 NPT	0 ... 16	9,5	3,10	8573400xxxx*****
32	1¼ NPT	0 ... 16	23,0	5,60	8573500xxxx*****
40	1½ NPT	0 ... 16	25,0	5,40	8573600xxxx*****
50	2 NPT	0 ... 16	41,0	6,80	8573700xxxx*****

xxxx Insert solenoid codes from table below. ***** Insert voltage codes from table below

* Cv (US) ≈ kv x 1,2

Options selector

857XX ** * * * * *

Alternative versions	Substitute
On request	
Solenoid	Substitute
d.c. (ND 8 to 25)	9402
a.c. (ND 8 to 25)	9406
d.c. (ND 32 to 50)	8402
a.c. (ND 32 to 50)	8406

Voltage	Substitute
24 V d.c.	02400
205 V d.c.	20550
24 V a.c. 40 to 60 Hz	02449
110 V a.c. 40 to 60 Hz	11049
230 V a.c. 40 to 60 Hz	23049

a.c. version with built-in rectifier

Buschjost 85720 / 85730 Series

Solenoid actuated, with forced lifting

8 to 50 mm orifice (ND)

2/2, NC, G $\frac{1}{4}$ to G $\frac{1}{2}$ / $\frac{1}{4}$ NPT to 2 NPT

Electrical details for solenoid operators

	Power consumption		Voltage		Category	Protection class	Temperatures °C		Electrical connection	kg	Solenoid drawing no.#	Circuit diagram#		Model
	24 V d.c. (W)	230 V a.c. (VA)	24 V d.c. (mA)	230 V a.c. (mA)			Fluid*	Ambient**				d.c.	a.c.	
	29	—	1208	—	—	IP 65	+200 max.	-25 ... +60	DIN EN 175301-803	1,40	25	1	—	9402
	—	33 VA/29 W	—	141	—	IP 65	+200 max.	-25 ... +60	DIN EN 175301-803	1,40	25	—	6	9406
	29	—	1208	—	—	IP 65	+200 max.	-25 ... +60	DIN EN 175301-803	1,70	18	1	—	8402
	—	33 VA/29 W	—	141	—	IP 65	+200 max.	-25 ... +60	DIN EN 175301-803	1,70	18	—	6	8406

* The maximum temperature depends on the valve type

** The maximum temperature may be higher, depending on the application.

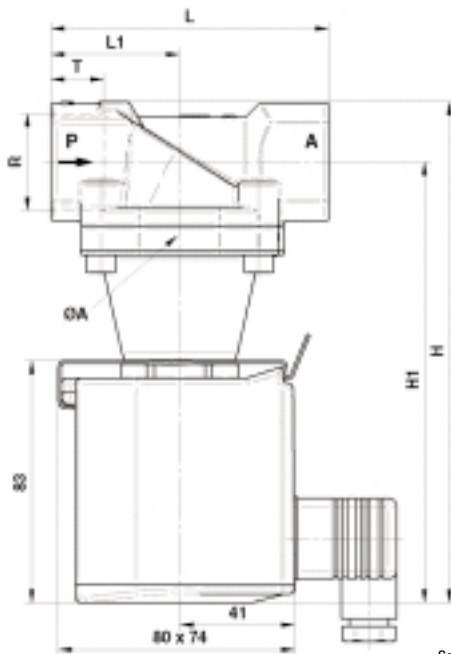
According to VDE 0580, 100% rated

Power consumption calculated with coil at +20°C, for d.c. coils at operating temperature, power consumption is up to 30% lower

Note: Restricted temperature range with explosion-proof solenoids

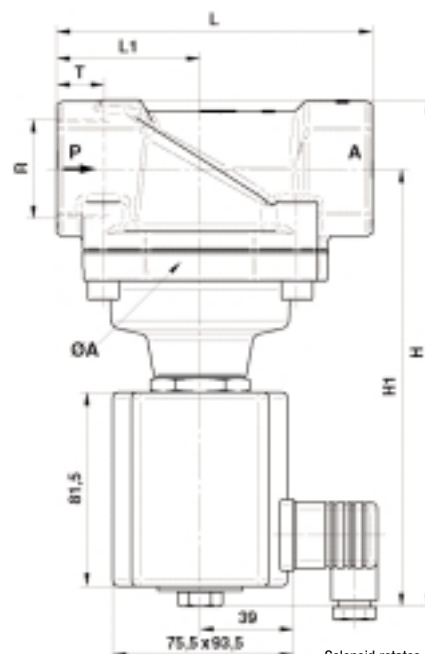
For solenoid dimensional drawings and circuit diagrams, see page 97

Up to G 1 or 1 NPT



Solenoid rotates 360°
Socket can be turned through 4 x 90°

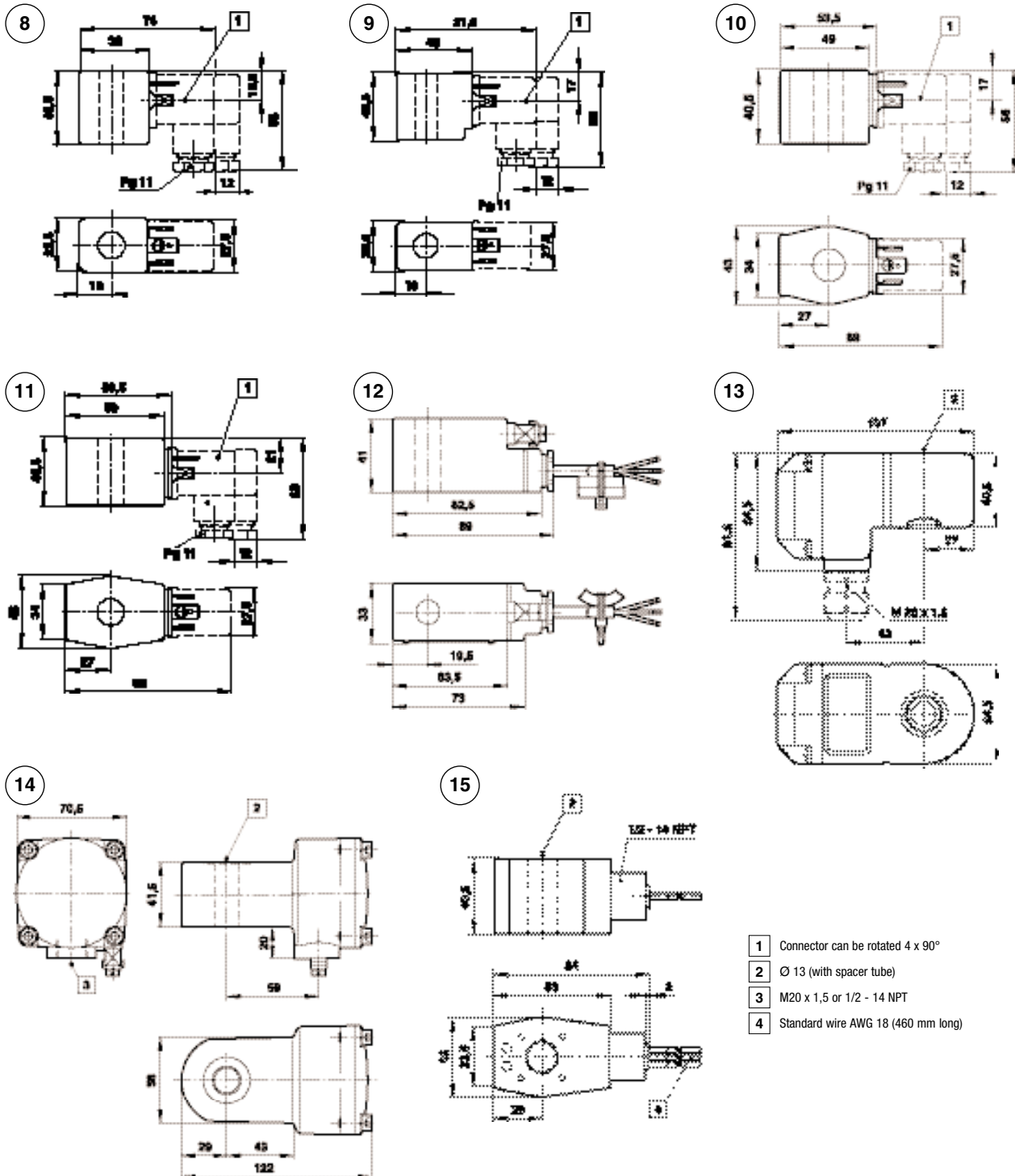
From G 1 ¼ or 1 ¼ NPT



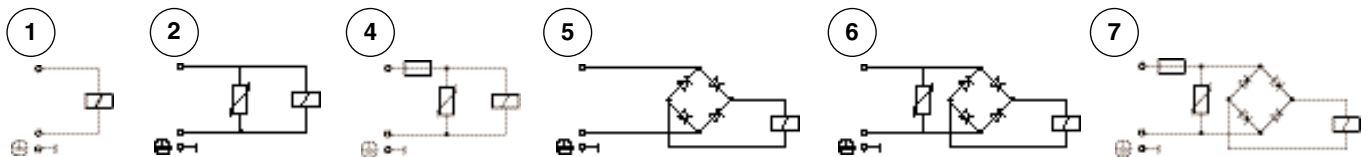
Solenoid rotates 360°
Socket can be turned through 4 x 90°

Model	Ø A	H	H1	L	L1	R	T
8572000.940x	44	152,0	140,5	60	27,5	G 1/4	12,0
8573000.940x	44	152,0	140,5	60	27,5	1/4 NPT	10,0
8572100.940x	44	152,0	140,5	60	27,5	G 3/8	12,0
8573100.940x	44	152,0	140,5	60	27,5	3/8 NPT	10,5
8572200.940x	44	154,5	140,5	67	31,0	G 1/2	14,0
8573200.940x	44	154,5	140,5	67	31,0	1/2 NPT	13,5
8572300.940x	50	162,0	146,5	80	36,5	G 3/4	16,0
8573300.940x	50	162,0	146,5	80	36,5	3/4 NPT	14,0
8572400.940x	62	183,0	162,0	95	44,0	G 1	18,0
8573400.940x	62	183,0	162,0	95	44,0	1 NPT	17,0
8572500.840x	92	212,5	183,5	132	60,0	G 1 ¼	20,0
8573500.840x	92	212,5	183,5	132	60,0	1 ¼ NPT	17,0
8572600.840x	92	212,5	183,5	132	60,0	G 1 ½	22,0
8573600.840x	92	212,5	183,5	132	60,0	1 ½ NPT	17,0
8572700.840x	109	226,5	192,0	160	74,0	G 2	24,0
8573700.840x	109	226,5	192,0	160	74,0	2 NPT	17,5

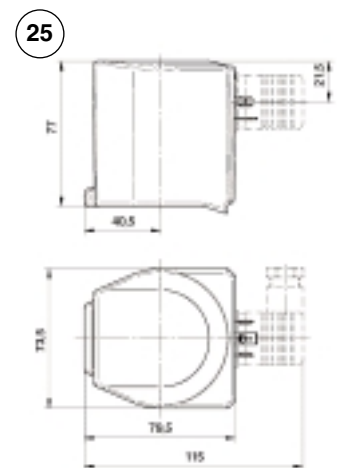
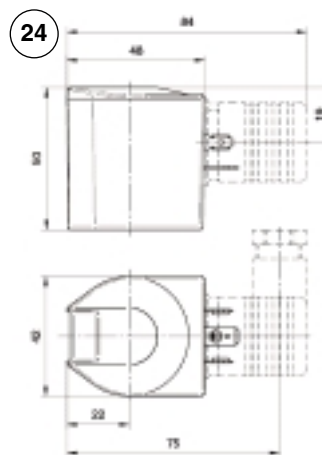
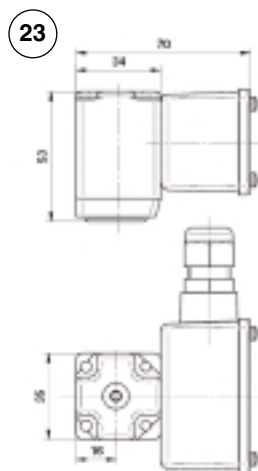
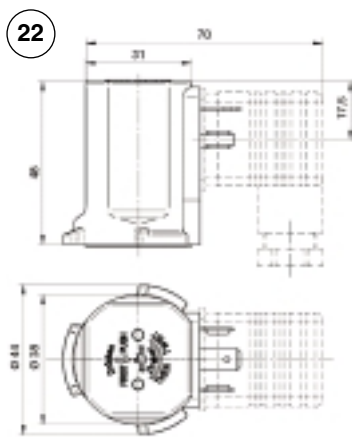
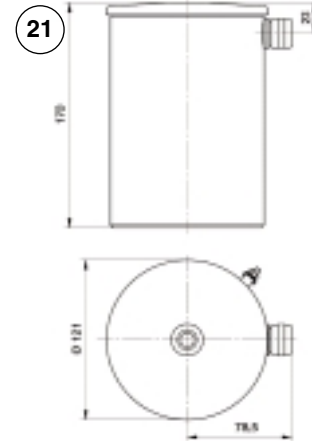
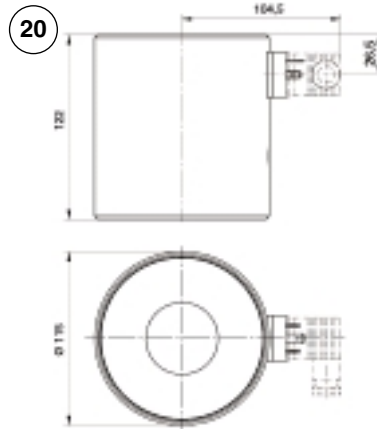
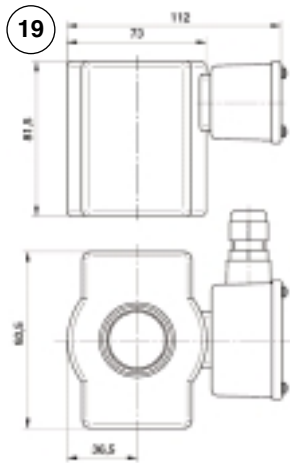
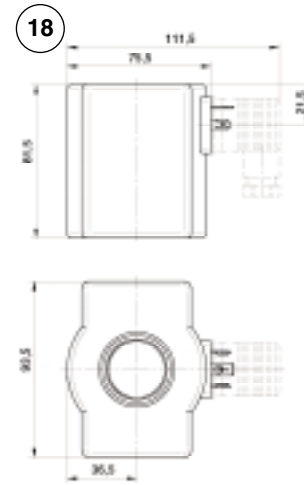
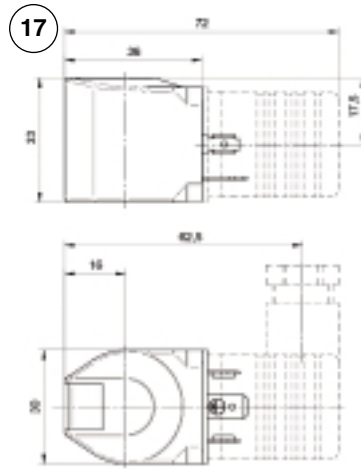
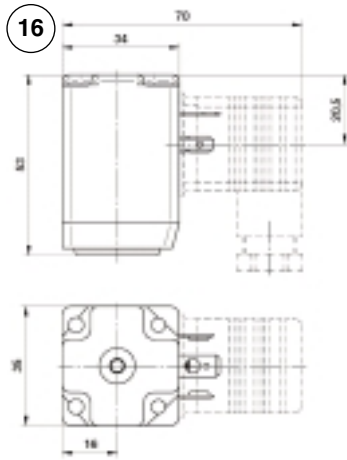
Solenoid dimensional drawings



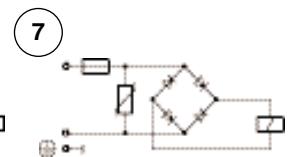
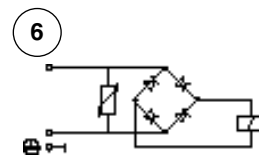
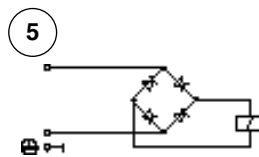
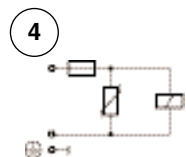
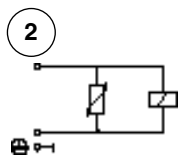
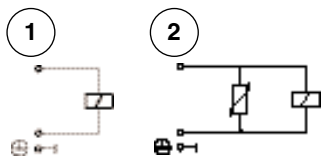
Circuit diagrams



Solenoid dimensional drawings

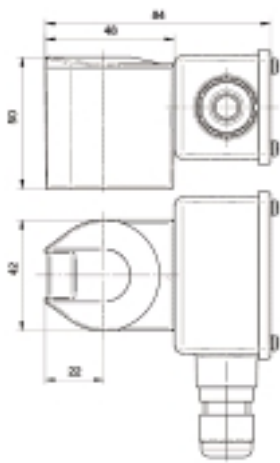


Circuit diagrams

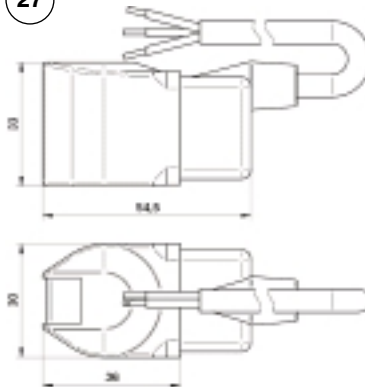


Solenoid dimensional drawings

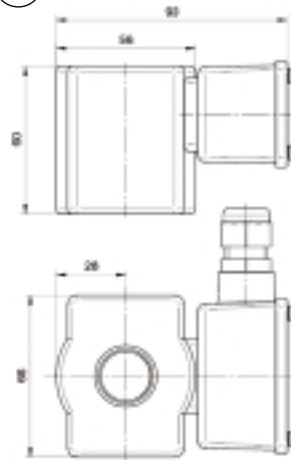
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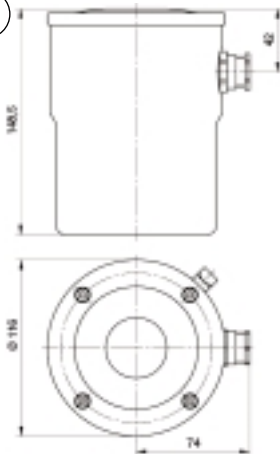
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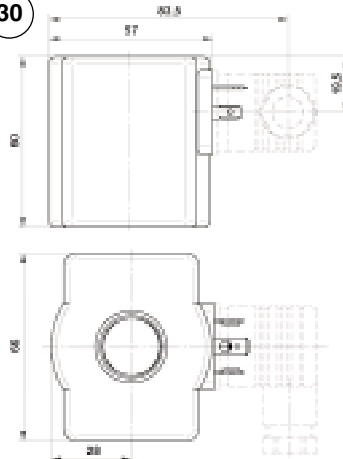
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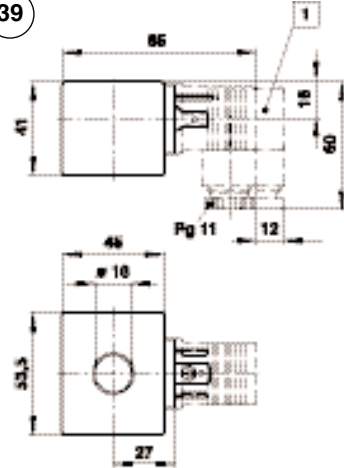
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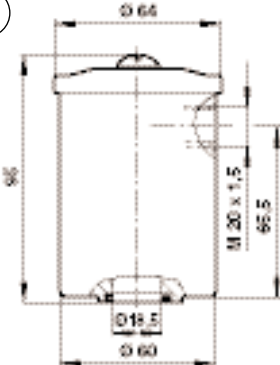
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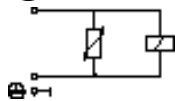


Circuit diagrams

1



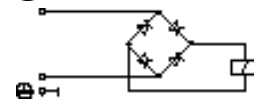
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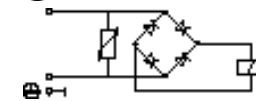
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5



6



7

