LINE **127 MER** | MECHANICAL VALVES

GENERAL FEATURES

Construction	spool valve
Body size	22mm
Body material	aluminium
Single use	YES
Manifold use	YES
Available functions	3/2; 5/2; 5/3

GENERAL TECHNICAL DATA

Fluid	filtered air with or without lubrication
Connections	1/8" - 1/4"
Temperature Range	-5 / +50°C (23 / 122°F) Please note: Below 3°C the air of the circuit must be free from humidity
Reference Flow Rate	P1= 6 bar; △ P= 1 bar; 5/2= 800 l/min 5/3: 750 l/min

GUIDE TO REFERENCES

MER 1/4" 22 3 PU ML NC M

Product
MER = Valvole meccaniche

Connection
1/4" = G1/4"

Size
22 = 22 mm

Function
3 = 3/2
5 = 5/2
6 = 5/3

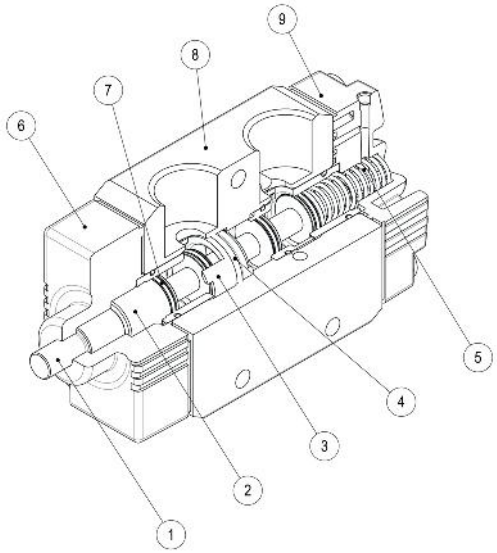
Material
M = Metal

Option
NC = Normally closed
NO = Normally opened
CC = Closed centres
CA = Opened centres
CP = Pressure centre
00 = 5/2

Return
ML = Spring
BS = Bistable
ST = Stable on 3 position
RC = Return to centre
MP = Pneumatic spring

Operation

PU	Pushrod
PP	Through-wall pushrod
RL	Roller lever
RU	Undirectional roller lever
PS	Sensible pushrod
PO	Sensible through-wall pushrod
RS	Sensible roller lever
RO	Sensible unidirectional roller lever
AN	Whisker
RLC	Roller lever whit ball bearing
RLC	Unidirectional roller lever whit ball bearing

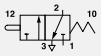
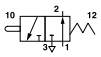


USED MATERIALS

1. **Pushrod** - Steel
2. **Spool** - Nickel Plated Aluminium
3. **Spacers** - POM
4. **Or distanziali** - NBR
5. **Spring** - Stainless steel
6. **Operator body** - POM
7. **Seals** - NBR
8. **Body valve** - Aluminium
9. **Base command** - PA+FV

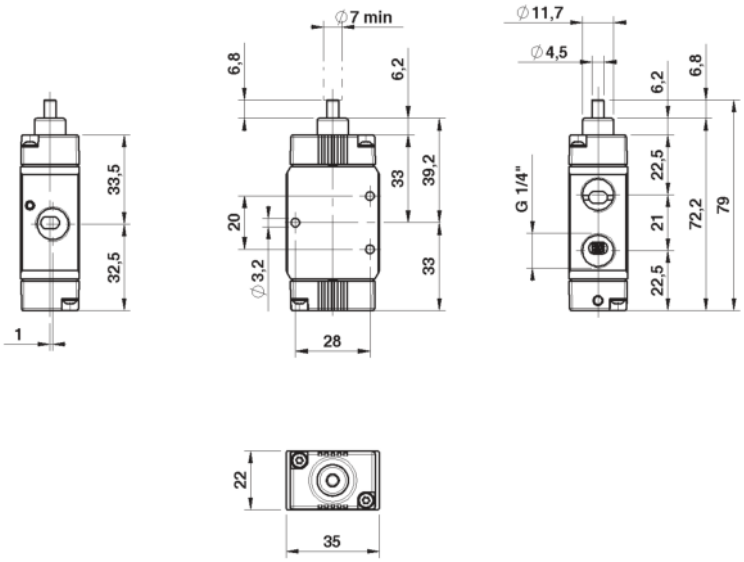
LINE **127 MER 1/4”** | MECHANICAL VALVES

3/2 PUSHROD VALVES

	CODE	REFERENCES
	**1272433001**	**MER 1/4” 22 3 PU ML NC M**
	**1272433002**	**MER 1/4” 22 3 PU ML NO M**

TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 39 N
Weight 0,120 kg

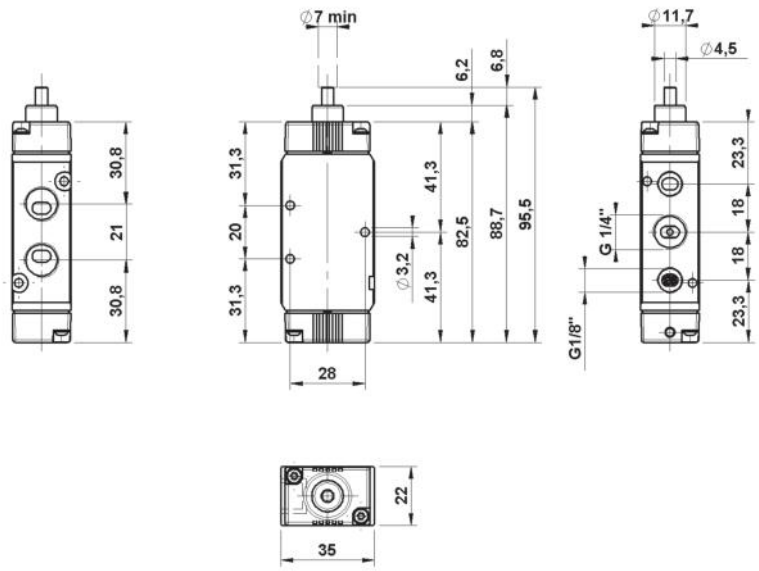


5/2 PUSHROD VALVES

	CODE	REFERENCES
	1272435001	**MER 1/4” 22 5 PU ML OO M**

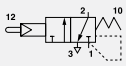
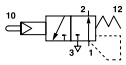
TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 39 N
Weight 0,127 kg



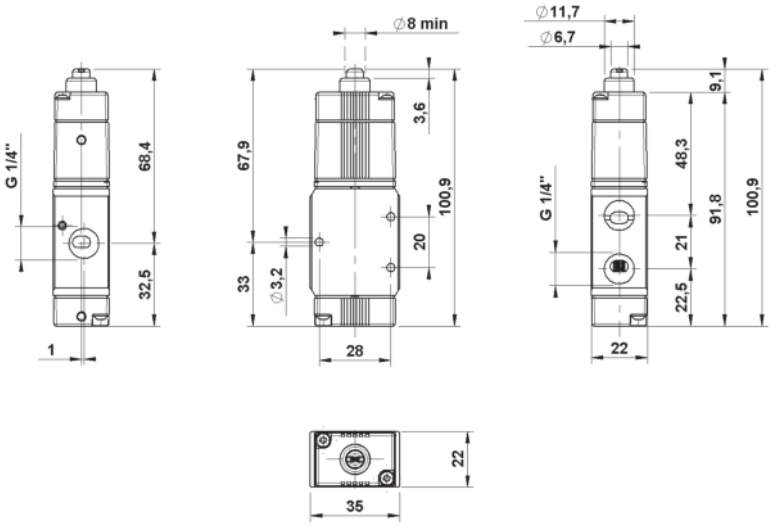
LINE **127 MER 1/4”** | MECHANICAL VALVES

3/2 SENSIBLE PUSHROD VALVES

	CODE	REFERENCES
	1272533001	MER 1/4" 22 3 PS PM NC M
	1272533002	MER 1/4" 22 3 PS PM NO M

TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 9 N
Weight 0,132 kg



5/2 SENSIBLE PUSHROD VALVES

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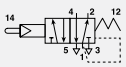
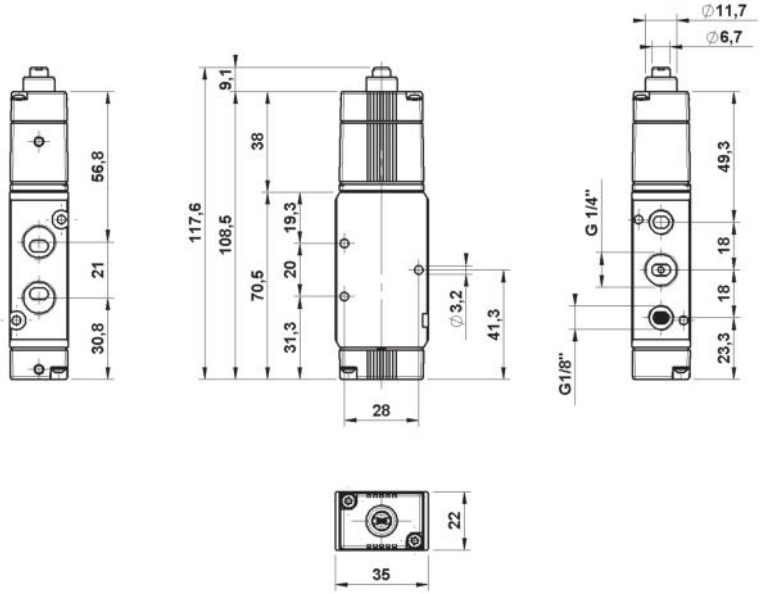
	1272535001	MER 1/4” 22 5 PS PM OO M

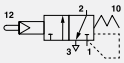
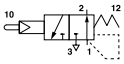
TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 9 N
Weight 0,139 kg



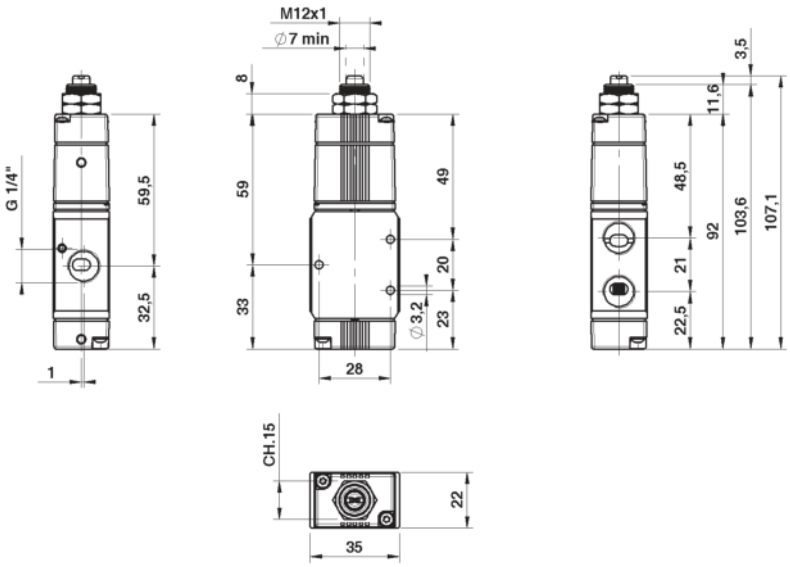
LINE **127 MER 1/4”** | MECHANICAL VALVES

3/2 SENSIBLE THROUGH PUSHROD VALVES

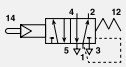
	CODE	REFERENCES
	1272533007	MER 1/4” 22 3 PO ML NC M
	1272533008	MER 1/4” 22 3 PO PM NO M

TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 9 N
Weight 0,135 kg

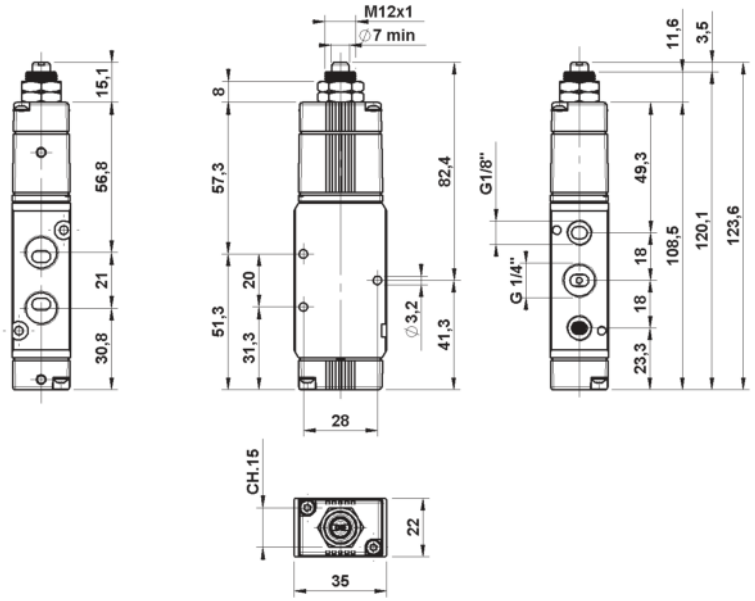


5/2 SENSIBLE THROUGH PUSHROD VALVES

	CODE	REFERENCES
	1272535004	MER 1/4” 22 5 PO PM OO M

TECHNICAL DATA

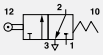
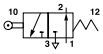
Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 9 N
Weight 0,142 kg



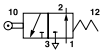
LINE **127 MER 1/4”** | MECHANICAL VALVES

3/2 ROLLER LEVER VALVES

VERSION WITH TECHNOPOLYMER ROLLER

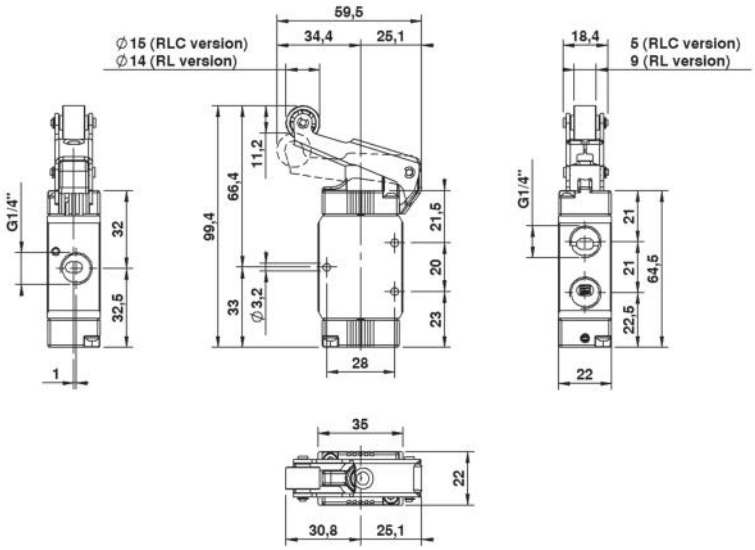
	CODE	REFERENCES
	1272433003	MER 1/4" 22 3 RL ML NC M
	1272433004	MER 1/4” 22 3 RL ML NO M

VERSION WITH BALL BEARING

	CODE	REFERENCES
	1272433007	MER 1/4 22 3 RLC ML NC M
	1272433008	MER 1/4 22 3 RLC ML NO M

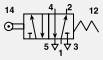
TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 16 N
Weight 0,145 kg



5/2 ROLLER LEVER VALVE

VERSION WITH TECHNOPOLYMER ROLLER

	CODE	REFERENCES
	1272435002	MER 1/4” 22 5 RL ML NO M

VERSION WITH BALL BEARING

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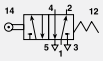
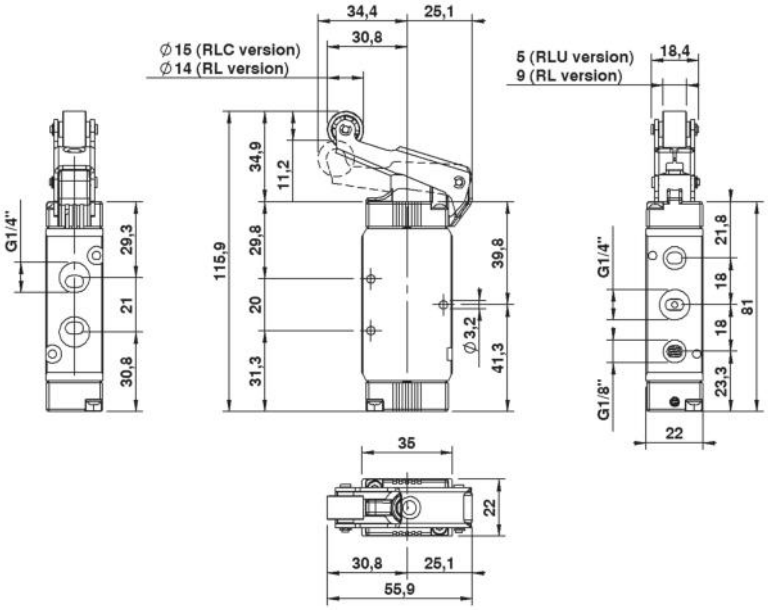
	1272435006	MER 1/4 22 5 RLC ML OO M

TECHNICAL DATA

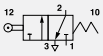
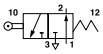
Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 16 N
Weight 0,152 kg



LINE **127 MER 1/4”** | MECHANICAL VALVES

3/2 UNIDIRECTIONAL ROLLER LEVER VALVES

VERSION WITH TECHNOPOLYMER ROLLER

	CODE	REFERENCES
	1272433003	MER 1/4" 22 3 RL ML NC M
	1272433004	MER 1/4” 22 3 RL ML NO M

VERSION WITH TECHNOPOLYMER ROLLER

	CODE	REFERENCES
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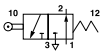
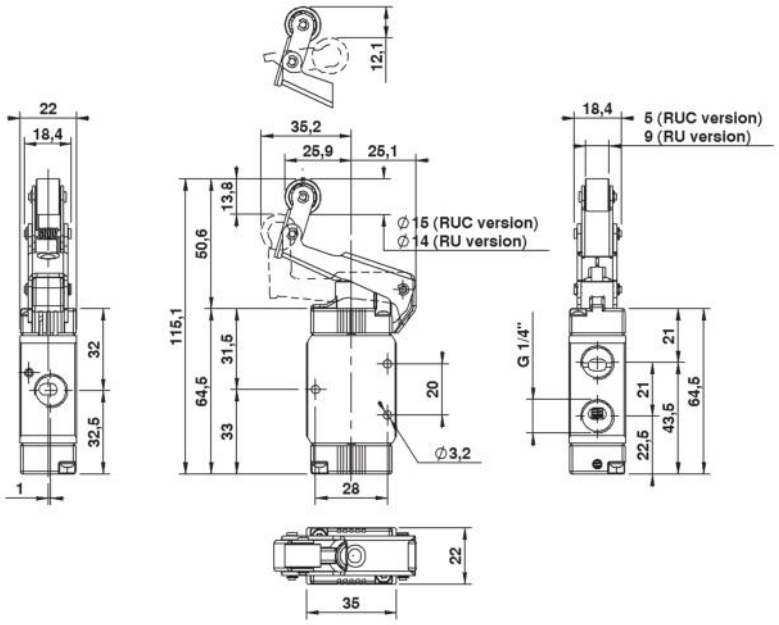
	1272433008	MER 1/4 22 3 RLC ML NO M

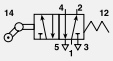
TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 16 N
Weight 0,152 kg

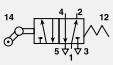


5/2 UNIDIRECTIONAL ROLLER LEVER VALVE

VERSION WITH TECHNOPOLYMER ROLLER

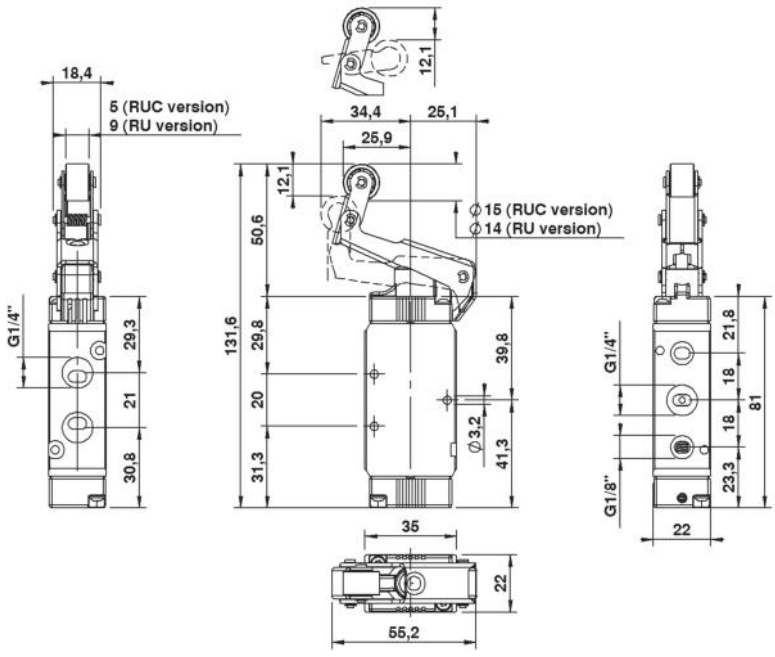
	CODE	REFERENCES
	1272435003	MER 1/4” 22 5 RU ML OO M

VERSION WITH BALL BEARING

	CODE	REFERENCES
	1272435007	MER 1/4 22 5 RUC ML OO M

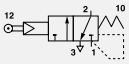
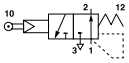
TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 16 N
Weight 0,158 kg



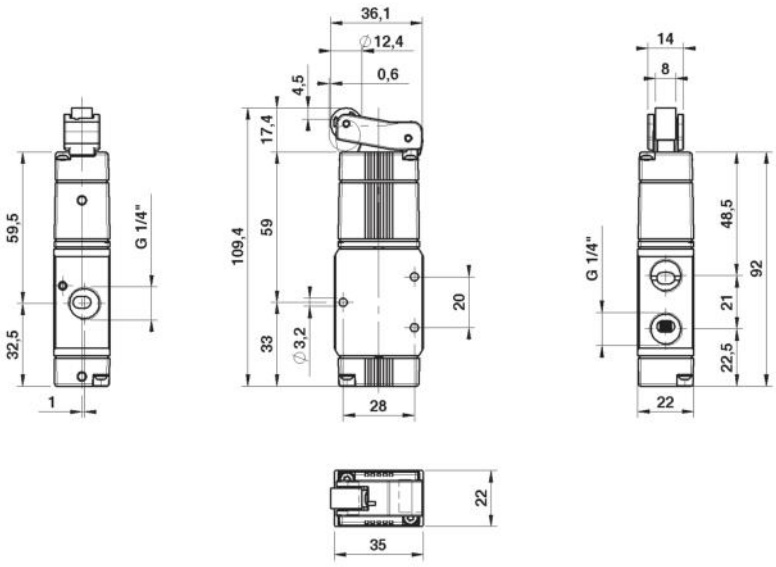
LINE **127 MER 1/4”** | MECHANICAL VALVES

3/2 ROLLER LEVER VALVE

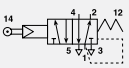
	CODE	REFERENCES
	**1272533003**	**MER 1/4" 22 3 RS PM NC M**
	**1272533004**	**MER 1/4" 22 3 RS PM NO M**

TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 4,5 N
Weight 0,149 kg

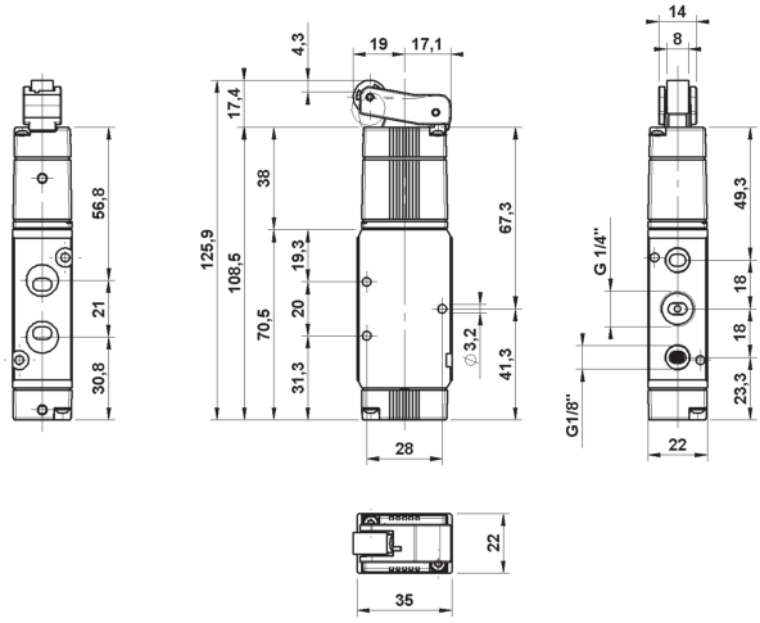


5/2 SENSIBLE ROLLER LEVER VALVES

	CODE	REFERENCES
	**1272535002**	**MER 1/4” 22 5 RS PM OO M**

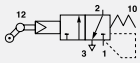
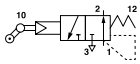
TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 4,5 N
Weight 0,146 kg



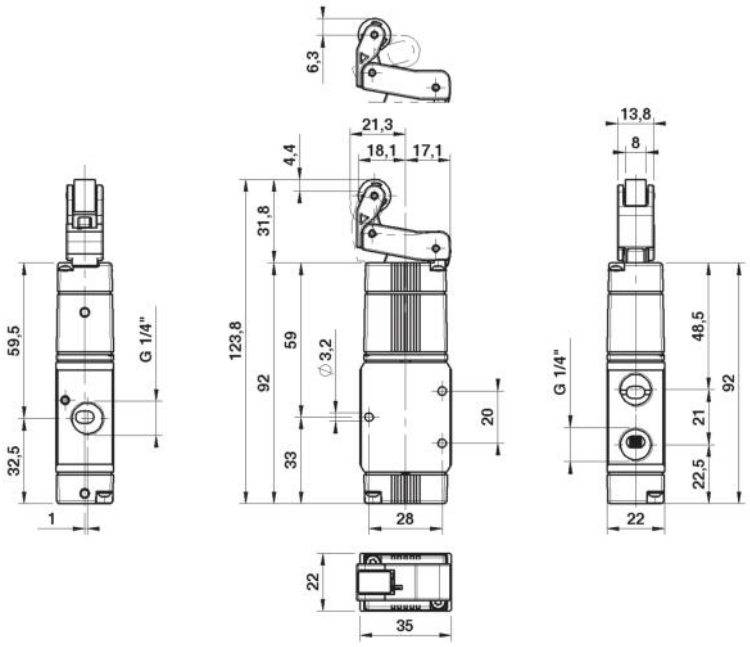
LINE **127 MER 1/4”** | MECHANICAL VALVES

3/2 SENSIBLE UNIDIRECTIONAL ROLLER LEVER VALVES

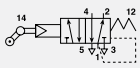
	CODE	REFERENCES
	1272533005	MER 1/4" 22 3 RO PM NC M
	1272533006	MER 1/4" 22 3 RO PM NO M

TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 16 N
Weight 0,142 kg

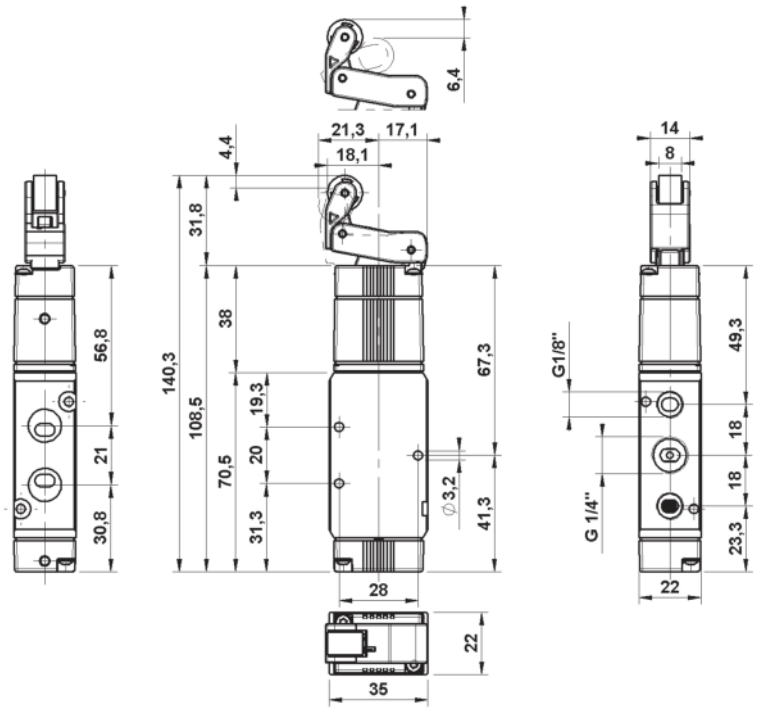


5/2 SENSIBLE UNIDIRECTIONAL ROLLER LEVER VALVE

	CODE	REFERENCES
	1272535003	MER 1/4” 22 5 RO PM OO M

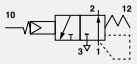
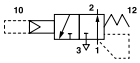
TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 4,5 N
Weight 0,149 kg



LINE **127 MER 1/4”** | MECHANICAL VALVES

3/2 WHISKER VALVES

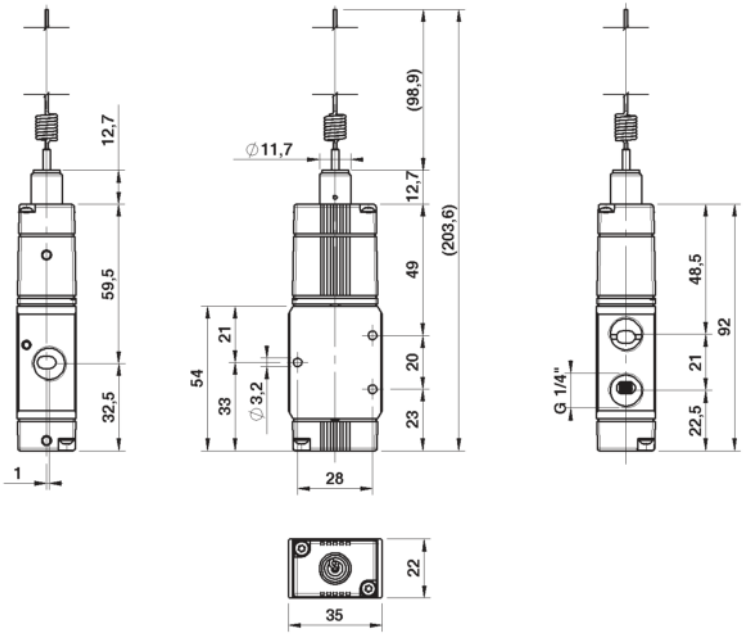
	CODE	REFERENCES
	**1272533013**	**MER 1/4" 22 3 AN PM NC M**
	**1272533014**	**MER 1/4" 22 3 AN PM NO M**

TECHNICAL DATA

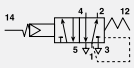
Working pressure 1÷10 Bar (0,10÷1,00 MPa)

Weight 0,138 kg

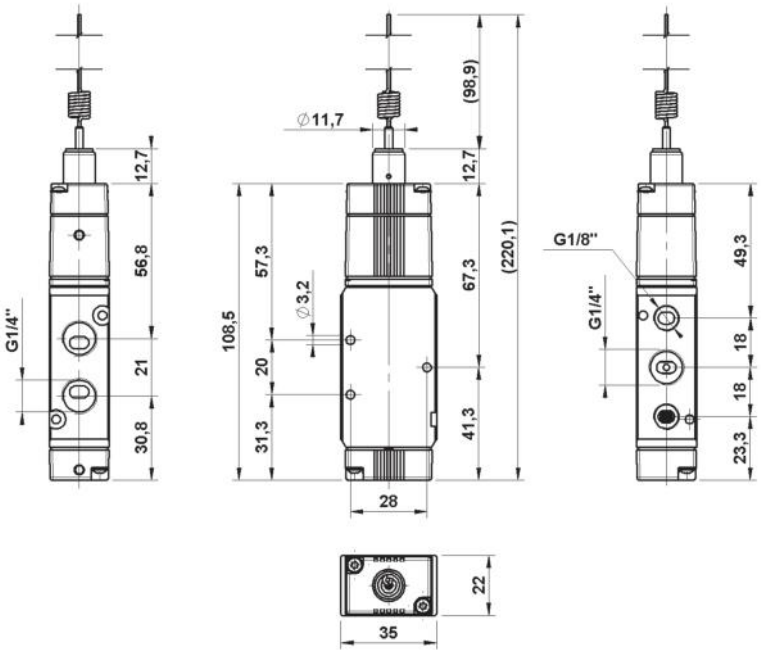
N.B. On request is avable whisker version provided whit threaded rod and fixing nuts



5/2 WHISKER VALVES

	CODE	REFERENCES
	**1272535007**	**MER 1/4” 22 5 AN PM OO M**

TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)

Weight 0,145 kg