



Series 3000 EVO - STAND ALONE



The range of series 3000 EVO solenoid valves version 3100 (10mm) and 3400 (15,5mm), are available in STAND ALONE self feeding or external feeding versions and realised with M8 point to point and 90° H connection with an integrated snap-on fitting.

Main characteristics

10 and 15,5 mm size.
Multi-position sub-bases in different lengths.

Functions

S.V. 5/2 Monostable Solenoid-Spring
S.V. 5/2 Monostable Solenoid-Differential (only self feeding)
S.V. 5/2 Bistable Solenoid-Solenoid
S.V. 5/3 C.C. Solenoid-Solenoid
S.V. 2x3/2 N.C.-N.C. (= 5/3 O.C.) Solenoid-Solenoid
S.V. 2x3/2 N.O.-N.O. (= 5/3 P.C.) Solenoid-Solenoid
S.V. 2x3/2 N.C.-N.O. Solenoid-Solenoid
S.V. 2x3/2 N.O.-N.C. Solenoid-Solenoid

Solenoid valve ordering code

3 1 15.52.00 . 39 . 82

Size	
1	Version 3100 (10mm)
4	Version 3400 (15,5mm)

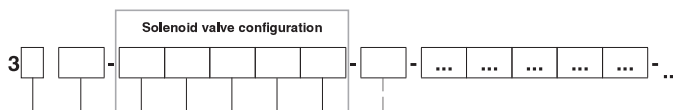
Function	
52.00	S.V. 5/2
53.31	S.V. 5/3
62.44	2x3/2 N.C.-N.C.
62.55	2x3/2 N.O.-N.O.
62.45	2x3/2 N.C.-N.O.
62.54	2x3/2 N.O.-N.C.

Valves type	
36	Solenoid-Differential self feeding
39	Solenoid-Spring self feeding
35	Solenoid-Solenoid self feeding
29	Solenoid-Spring external feeding
25	Solenoid-Solenoid external feeding

Connection	
02	H 90° SPEED-UP connector
82	M8 SPEED-UP connector

Example in the table: 3115.52.00.39.82: Solenoid valve size 10mm 5/2 solenoid-spring self feeding with M8 SPEED-UP connector

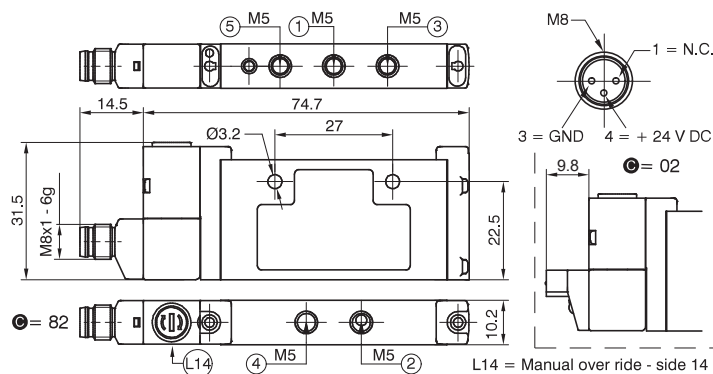
AIR DISTRIBUTION





Solenoid valves manifold Series 3000 EVO - STAND ALONE (10 mm)

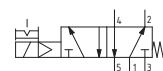
Solenoid-Spring (Self feeding)



Coding: 3115.52.00.39.©

ELECTRICAL CONNECTION	
02	H 90° SPEED-UP connector + 24 V DC
82	M8 SPEED-UP connector + 24 V DC

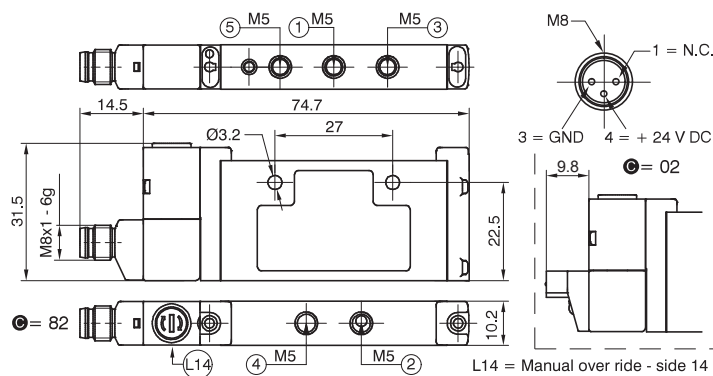
Weight 49 g
SHORT FUNCTION CODE "A"



Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	160
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	20
Working pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

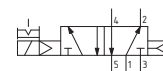
Solenoid-Differential (Self feeding)



Coding: 3115.52.00.36.©

ELECTRICAL CONNECTION	
02	H 90° SPEED-UP connector + 24 V DC
82	M8 SPEED-UP connector + 24 V DC

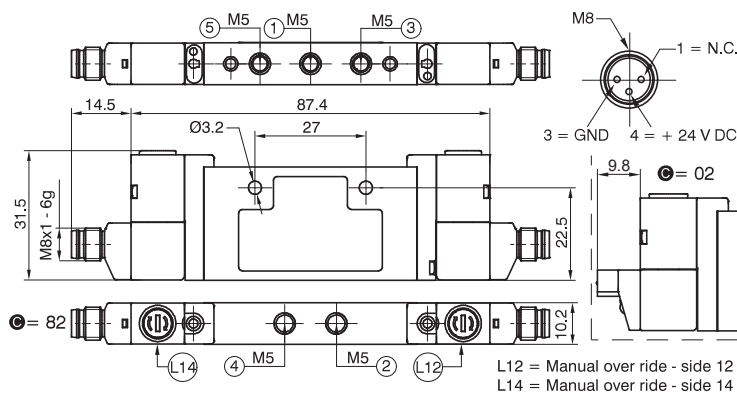
Weight 49 g
SHORT FUNCTION CODE "B"



Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	160
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	15
Working pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

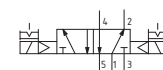
Solenoid-Solenoid (Self feeding)



Coding: 3115.52.00.35.©

ELECTRICAL CONNECTION	
02	H 90° SPEED-UP connector + 24 V DC
82	M8 SPEED-UP connector + 24 V DC

Weight 59 g
SHORT FUNCTION CODE "C"

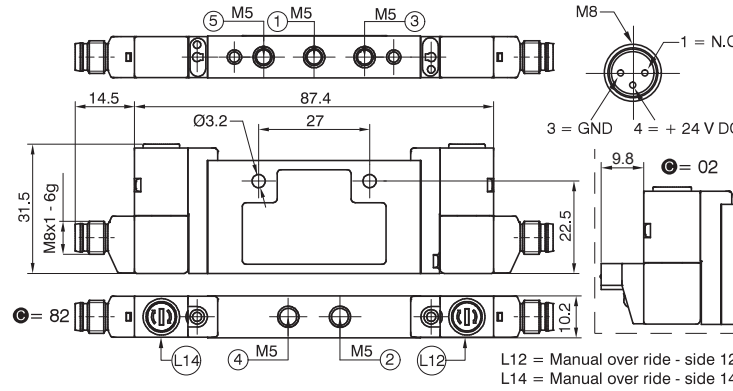


Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	160
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	20
Working pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

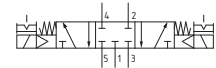
Solenoid-Solenoid 5/3 (Closed centres) (Self feeding)

Coding: 3115.53.31.35.©



ELECTRICAL CONNECTION	
02	= H 90° SPEED-UP connector + 24 V DC
82	= M8 SPEED-UP connector + 24 V DC

Weight 59 g
SHORT FUNCTION CODE "E"

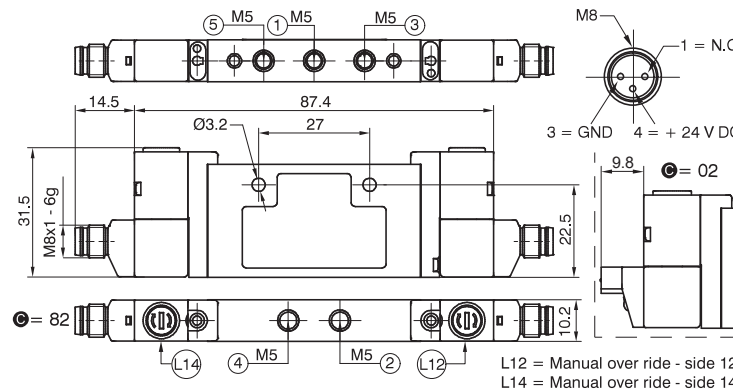


Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	20
Working pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

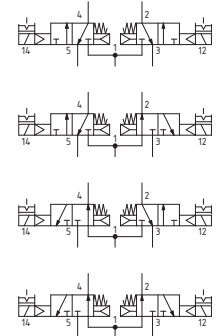
Solenoid-Solenoid 2x3/2 (Self feeding)

Coding: 3115.62.F.35.©



FUNCTION	
44	= N.C.-N.C. (5/3 Open centres)
45	= N.C.-N.O.
54	= N.O.-N.C.
55	= N.O.-N.O. (5/3 Pressured centres)
ELECTRICAL CONNECTION	
02	= H 90° SPEED-UP connector + 24 V DC
82	= M8 SPEED-UP connector + 24 V DC

Weight 59,4 g
SHORT FUNCTION CODE:
N.C.-N.C. (5/3 Open centres) = "F"
N.O.-N.O. (5/3 Pressured centres) = "G"
N.C.-N.O. = "H"
N.O.-N.C. = "I"



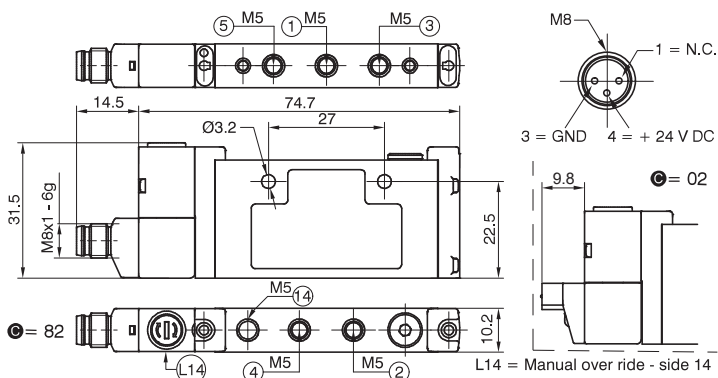
Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	15
Working pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50



Solenoid valves manifold Series 3000 EVO - STAND ALONE (10 mm)

Solenoid-Spring (External feeding)

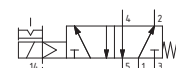


Coding: 3115.52.00.29.©

ELECTRICAL CONNECTION	
02	= H 90° SPEED-UP connector + 24 V DC
82	= M8 SPEED-UP connector + 24 V DC

Weight 49 g

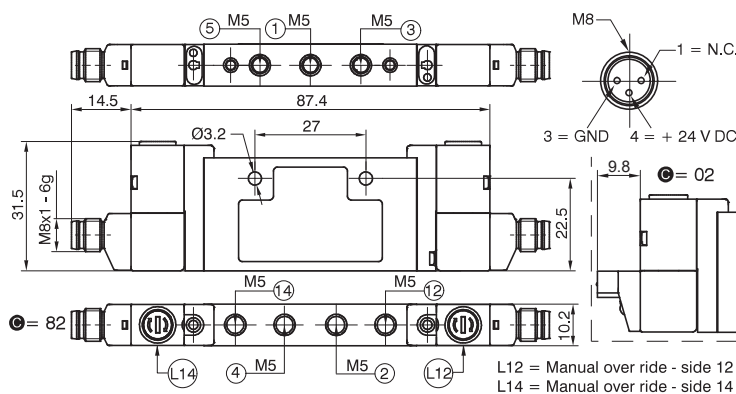
SHORT FUNCTION CODE "A"



Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	160
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	20
Working pressure (bar)	From vacuum to 10
Pilot pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

Solenoid-Solenoid (External feeding)



Coding: 3115.52.00.25.©

ELECTRICAL CONNECTION	
02	= H 90° SPEED-UP connector + 24 V DC
82	= M8 SPEED-UP connector + 24 V DC

Weight 59 g

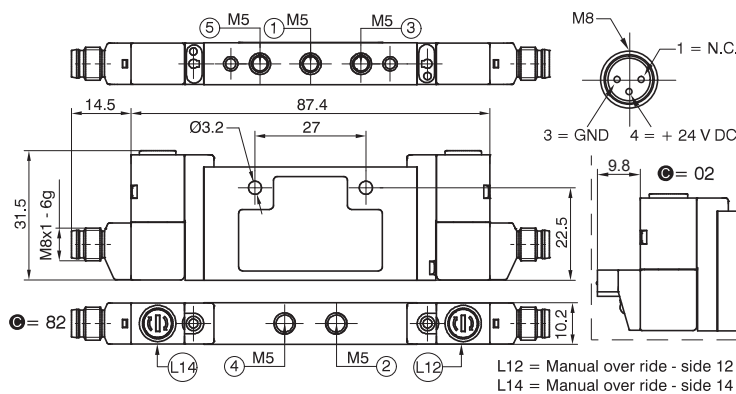
SHORT FUNCTION CODE "C"



Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	160
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	10
Working pressure (bar)	From vacuum to 10
Pilot pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

Solenoid-Solenoid 5/3 (Closed centres) (External feeding)

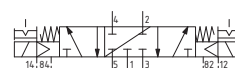


Coding: 3115.53.31.25.©

ELECTRICAL CONNECTION	
02	= H 90° SPEED-UP connector + 24 V DC
82	= M8 SPEED-UP connector + 24 V DC

Weight 59 g

SHORT FUNCTION CODE "E"

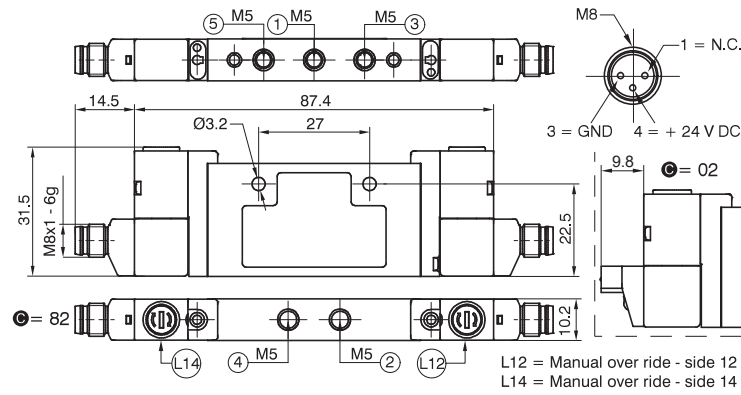


Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	20
Working pressure (bar)	From vacuum to 10
Pilot pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

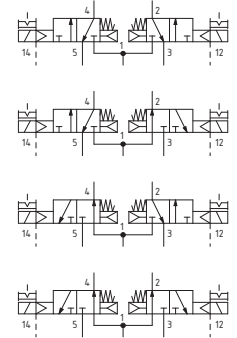
Solenoid-Solenoid 2x3/2 (External feeding)

Coding: 3115.62.F.25.C



FUNCTION	
44	= N.C.-N.C. (5/3 Open centres)
45	= N.C.-N.O.
54	= N.O.-N.C.
55	= N.O.-N.O. (5/3 Pressured centres)
ELECTRICAL CONNECTION	
02	= H 90° SPEED-UP connector +
24 V DC	
82	= M8 SPEED-UP connector + 24 V DC

Weight 59,4 g
SHORT FUNCTION CODE:
N.C.-N.C. (5/3 Open centres) = "F"
N.O.-N.O. (5/3 Pressured centres) = "G"
N.C.-N.O. = "H"
N.O.-N.C. = "I"

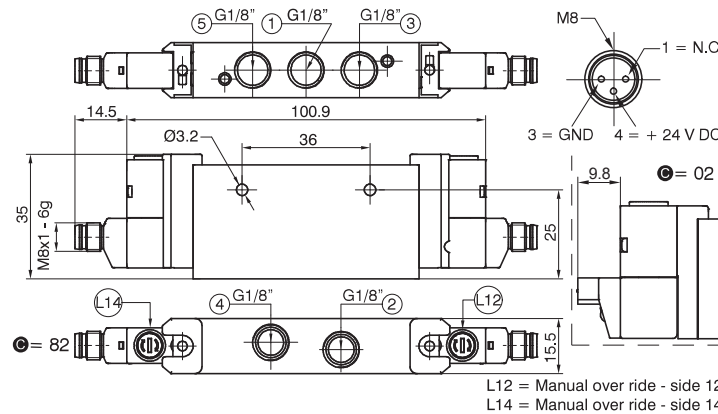


Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p = 1$ (l/min)	150
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	15
Working pressure (bar)	From vacuum to 10
Pilot pressure (bar)	$\geq 3 + (0.2 \times \text{Inlet pressure})$
Temperature °C	-5 ... +50

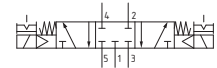
Solenoid-Solenoid 5/3 (Closed centres) (Self feeding)

Coding: 3415.53.31.35.©



ELECTRICAL CONNECTION	
02	= H 90° SPEED-UP connector + 24 V DC
82	= M8 SPEED-UP connector + 24 V DC

Weight 100 g
SHORT FUNCTION CODE "E"

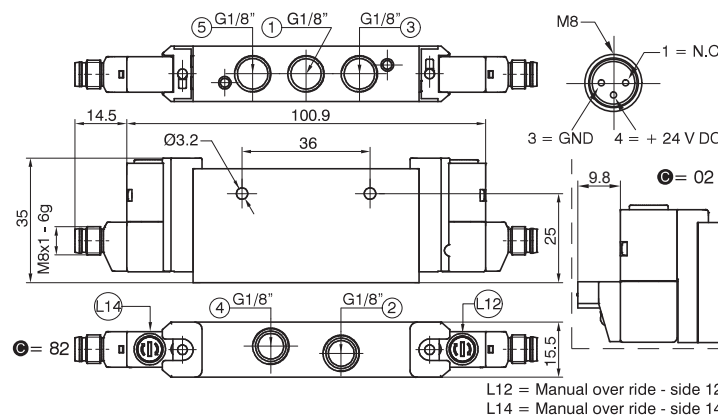


Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	500
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	20
Working pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

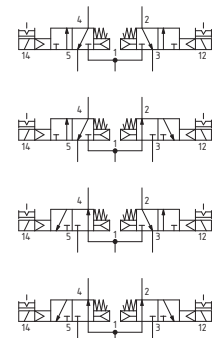
Solenoid-Solenoid 2x3/2 (Self feeding)

Coding: 3415.62.F.35.©



FUNCTION	
44	= N.C.-N.C. (5/3 Open centres)
45	= N.C.-N.O.
54	= N.O.-N.C.
55	= N.O.-N.O. (5/3 Pressured centres)
ELECTRICAL CONNECTION	
02	= H 90° SPEED-UP connector + 24 V DC
82	= M8 SPEED-UP connector + 24 V DC

Weight 100 g
SHORT FUNCTION CODE:
N.C.-N.C. (5/3 Open centres) = "F"
N.O.-N.O. (5/3 Pressured centres) = "G"
N.C.-N.O. = "H"
N.O.-N.C. = "I"

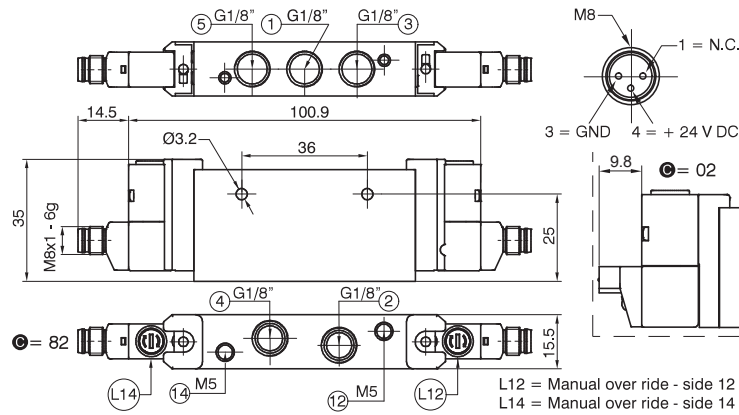


Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	500
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	15
Working pressure (bar)	2,5 ... 7
Temperature °C	-5 ... +50

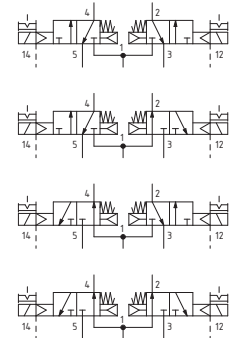
Solenoid-Solenoid 2x3/2 (External feeding)

Coding: 3415.62.F.25.C



F	FUNCTION
	44 = N.C.-N.C. (5/3 Open centres)
	45 = N.C.-N.O.
	54 = N.O.-N.C.
C	55 = N.O.-N.O. (5/3 Pressured centres)
	ELECTRICAL CONNECTION
C	02 = H 90° SPEED-UP connector +
	24 V DC
	82 = M8 SPEED-UP connector + 24 V DC

Weight 100 g
SHORT FUNCTION CODE:
N.C.-N.C. (5/3 Open centres) = "F"
N.O.-N.O. (5/3 Pressured centres) = "G"
N.C.-N.O. = "H"
N.O.-N.C. = "I"

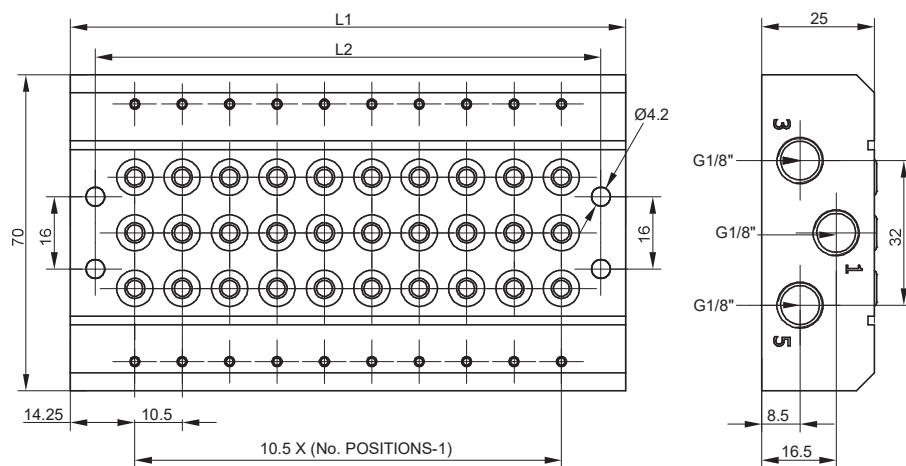


Technical characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Flow rate at 6 bar with $\Delta p = 1$ (l/min)	500
Response time according to ISO 12238, activation time (ms)	10
Response time according to ISO 12238, deactivation time (ms)	15
Working pressure (bar)	From vacuum to 10
Pilot pressure (bar)	$\geq 3 + (0.2 \times \text{Inlet pressure})$
Temperature °C	-5 ... +50



Manifold



	No. POSITIONS								
	2	3	4	5	6	7	8	9	10
L1	39	49,5	60	70,5	81	91,5	102	112,5	123
L2	29	39,5	50	60,5	71	81,5	92	102,5	113
Weight (g)	150	200	250	300	350	400	450	500	550

Coding: 3115.N

N	NO. POSITIONS
	02 = No. 2 positions
	03 = No. 3 positions
	04 = No. 4 positions
	05 = No. 5 positions
	06 = No. 6 positions
	07 = No. 7 positions
	08 = No. 8 positions
	09 = No. 9 positions
	10 = No. 10 positions

Weight "see table"

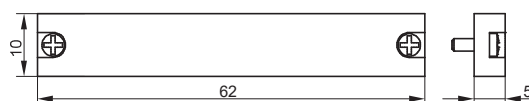
Assembling kit



Coding: 3115.KV

Weight 2 g

Closing plate



Coding: 3115.00

Weight 10 g

Diaphragm plug

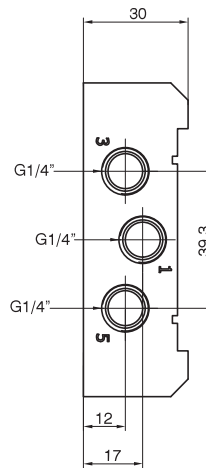
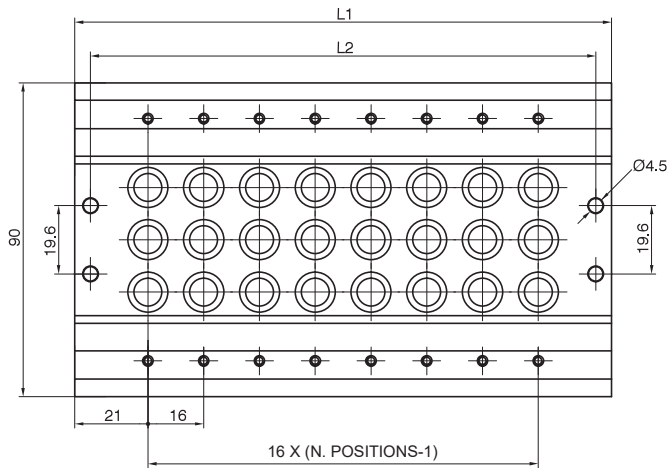


Coding: 3130.17

Weight 1,5 g



Manifold



	N. POSITIONS								
	2	3	4	5	6	7	8	9	10
L1	58	74	90	106	122	138	154	170	186
L2	49	65	81	97	113	129	145	161	177
Weight (g)	350	440	530	620	710	800	890	980	1070

Coding: 3415.N

N	NO. POSITIONS
	02 = No. 2 positions
	03 = No. 3 positions
	04 = No. 4 positions
	05 = No. 5 positions
	06 = No. 6 positions
	07 = No. 7 positions
	08 = No. 8 positions
	09 = No. 9 positions
	10 = No. 10 positions

Weight "see table"

1

AIR DISTRIBUTION

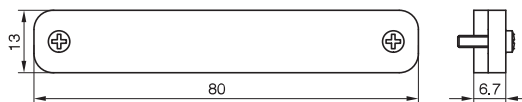
Assembling kit



Coding: 3415.KV

Weight 3 g

Closing plate



Coding: 3415.00

Weight 25 g

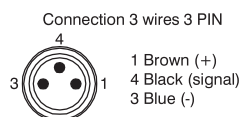
Diaphragm plug



Coding: 3430.17

Weight 3 g

M8 connector with 3 wires cable



Coding: MCH.L

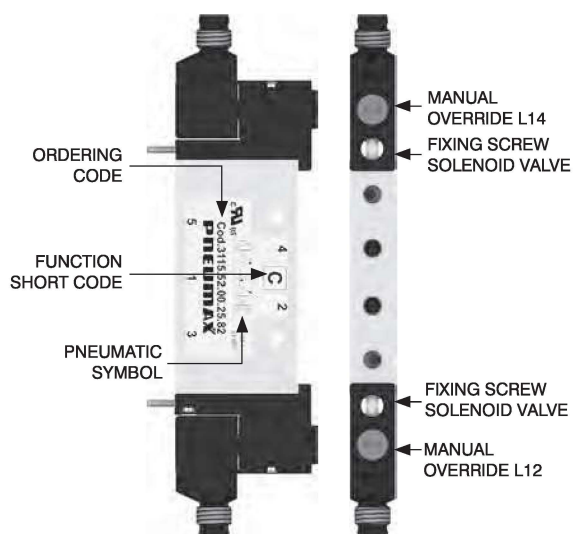
L	CABLE LENGTH
	1 = 2,5 meters
	2 = 5 meters
	3 = 10 meters

PUR Ø2,6 mm 3x0,15 mm²

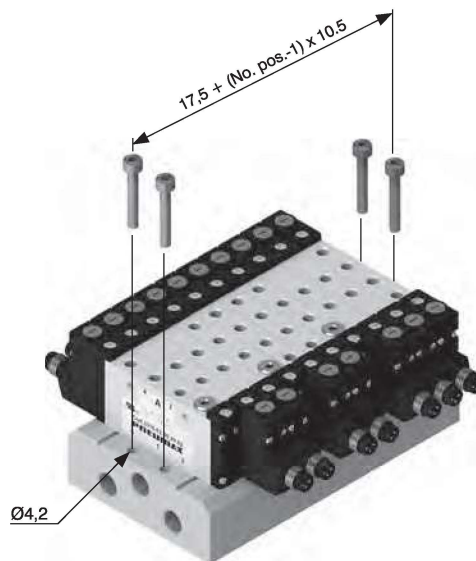


Solenoid valves manifold Series 3000 EVO - STAND ALONE (10 mm) - Installation specifications

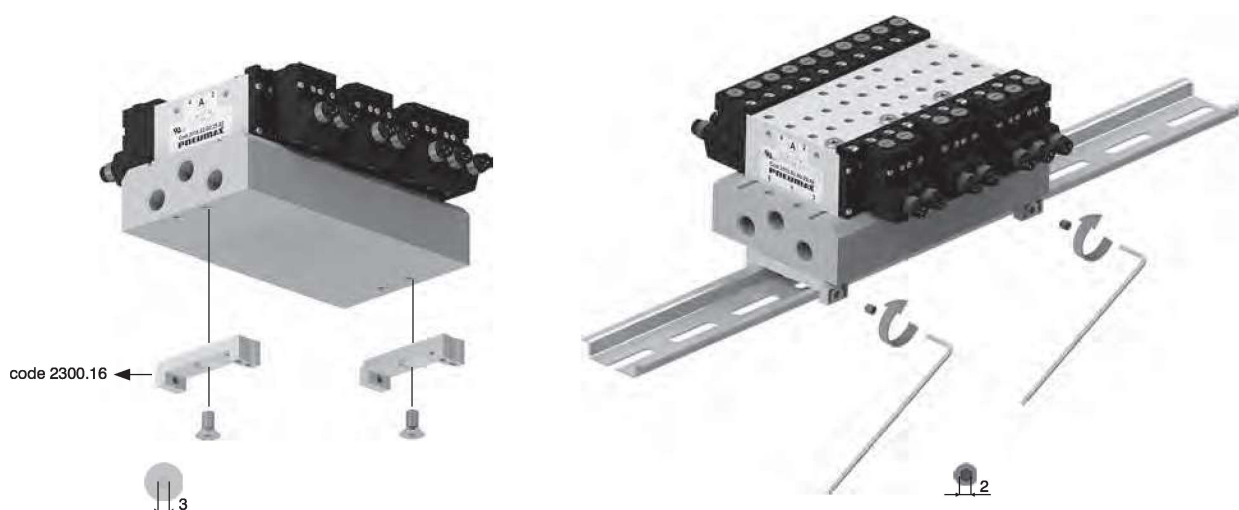
Solenoid valve description



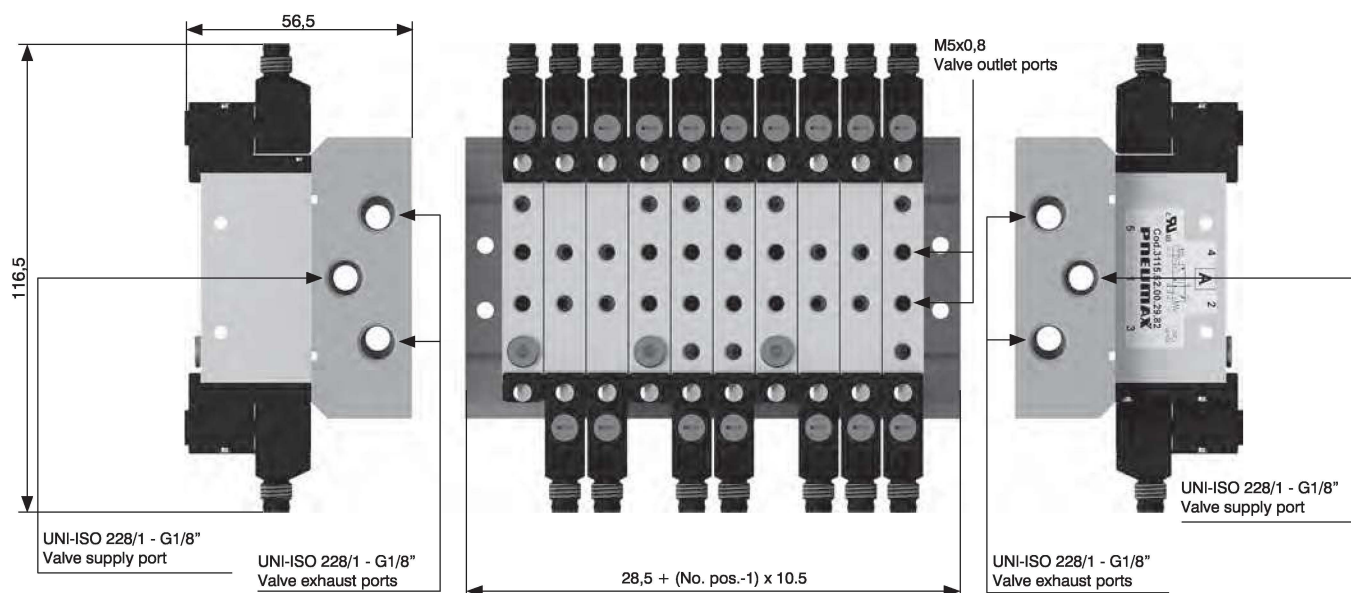
From the top



DIN rail fixing



Supply ports and maximum possible size according to valves used



Manual override actuation



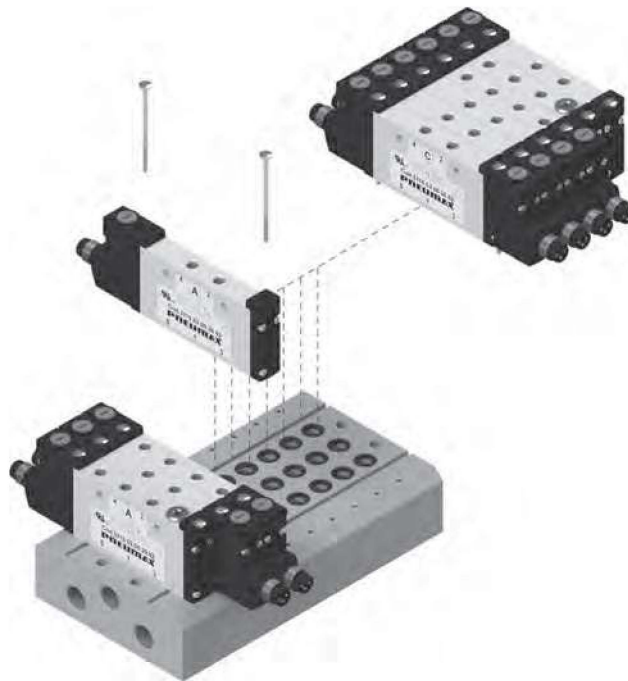
Instable function:
Push to actuate
(when released it moves back to the original position)



Bistable function:
Push and turn to get the bistable function

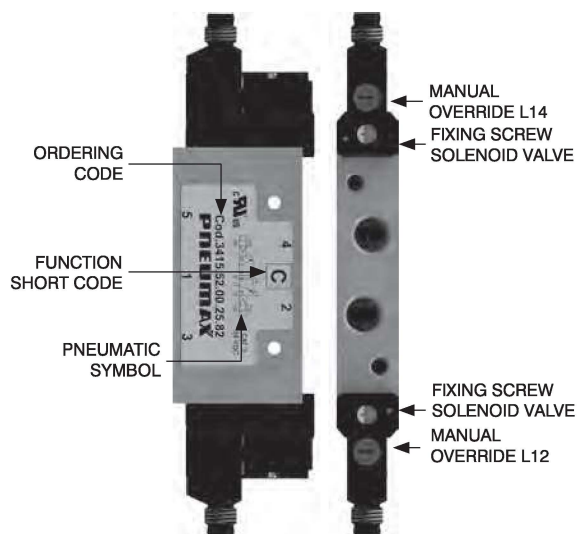
Note: we recommend the manual override is returned to it's original position when not in use

Solenoid valves installation

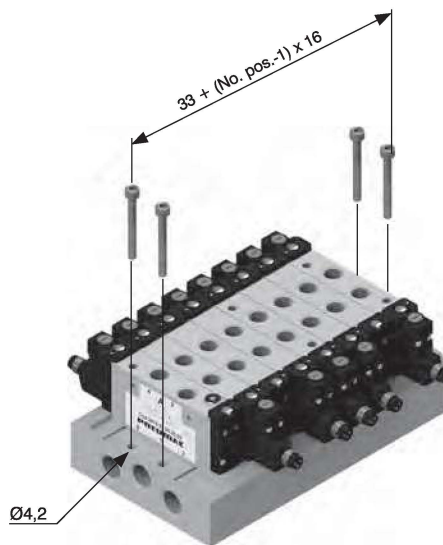


Maximum fixing torque for fittings: 0,2 Nm

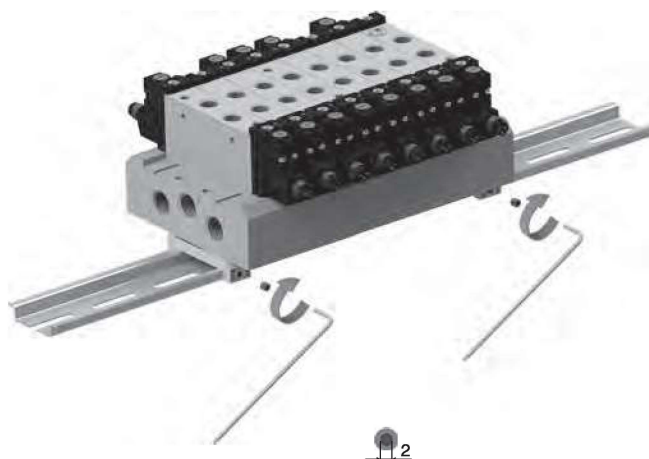
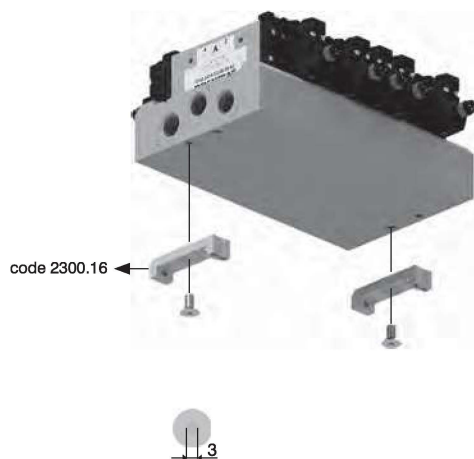
Solenoid valve description



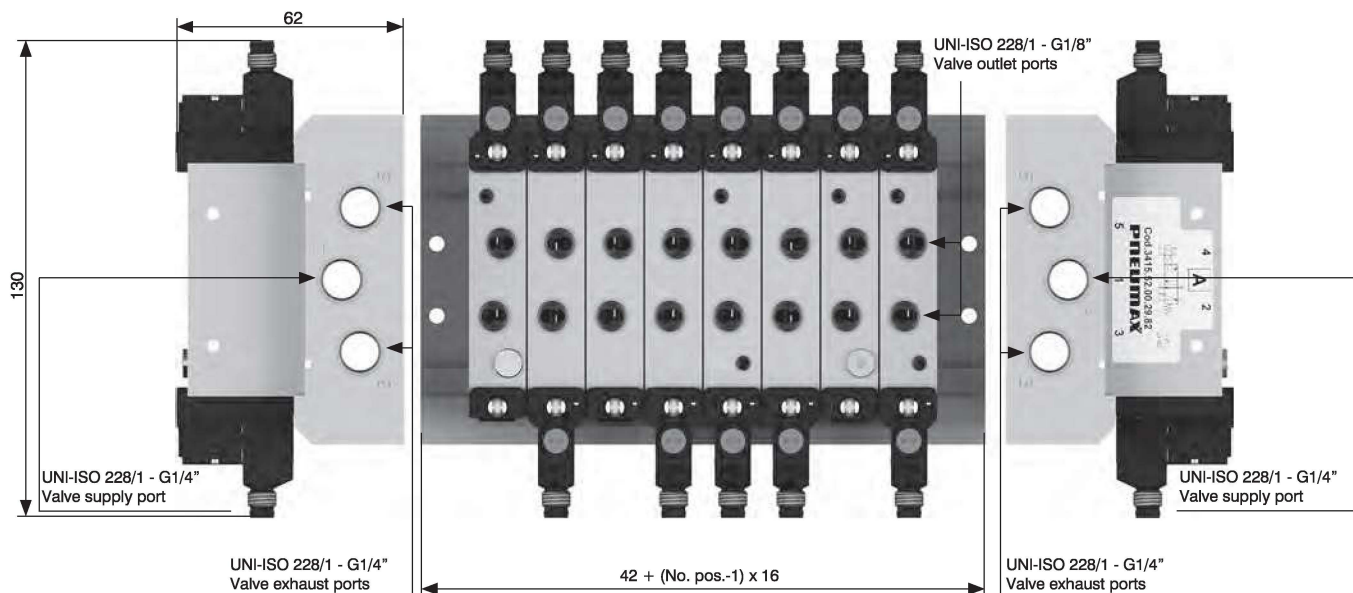
From the top



DIN rail fixing



Supply ports and maximum possible size according to valves used



Manual override actuation



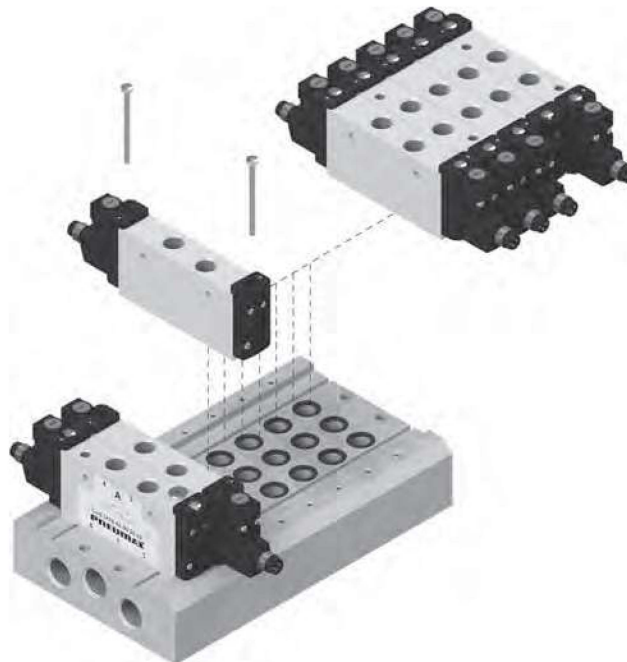
Instable function:
Push to actuate
(when released it moves back to the original position)



Bistable function:
Push and turn to get the bistable function

Note: we recommend the manual override is returned to it's original position when not in use

Solenoid valves installation



Maximum fixing torque for fittings: 0,2 Nm