2

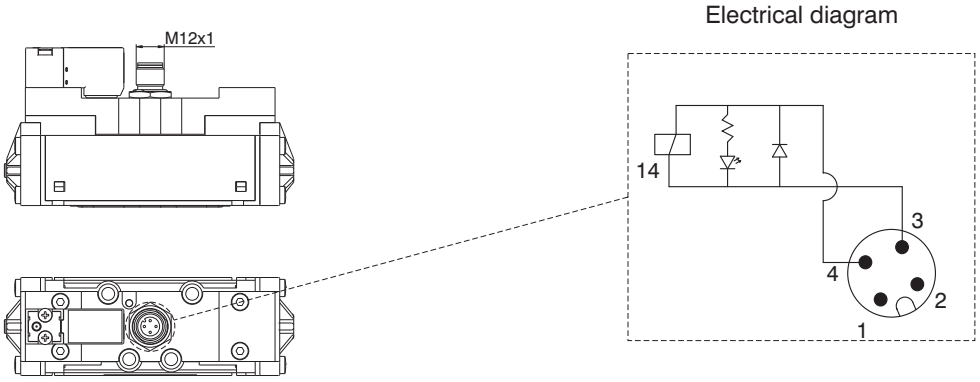
General

To Increase the range of ISO 5599/1 Solenoid valves, we have added the new ISO-M12 series.
These are available in three sizes, size 1, size 2 and size 3 with flow rates from 900 Nl/min for size 1 up to the 3600 Nl/min for size 3.
The standard features of the ISO valves are still included, however, they are now combined with a M12 electrical connector located in the middle of the valve to manage the electrical signals.
Versions are available to suit valves with both single and double 24VDC solenoids complete with IP65 protection, in addition all version are supplied with LED indicators

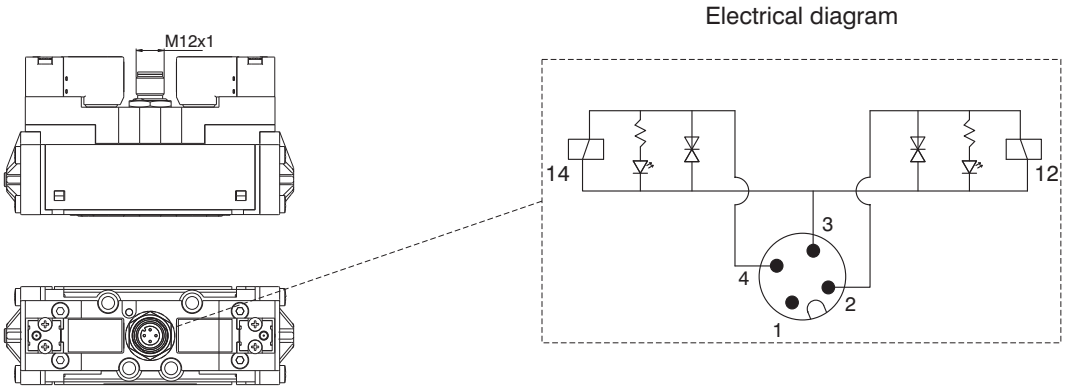
Electrical characteristics

Electrical connector M12x1
Protection degree IP65
Input voltage 24VDC
Nominal power 2,3W
LED indentification

Monostable version



Bistable version

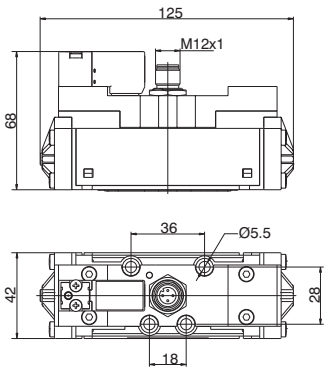


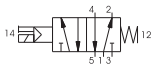
Solenoid - Spring-5/2

Ordering code

1111.52.3.9.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 350
Minimum piloting pressure 2,5 bar

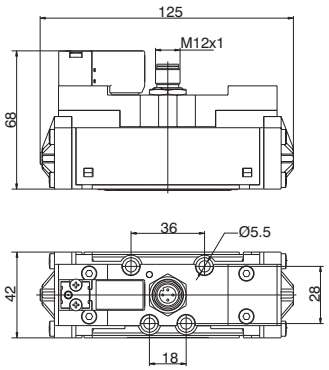
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	900	16	122	10	-5 ÷ +50

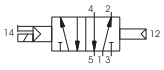
Solenoid - Differential-5/2

Ordering code

1111.52.3.6.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 356
Minimum piloting pressure 2 bar

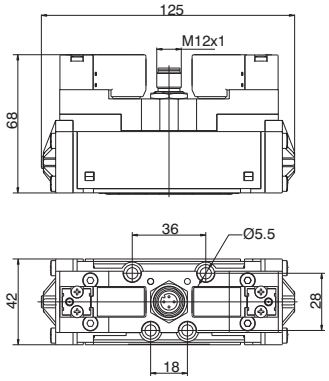
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	900	32	51	10	-5 ÷ +50

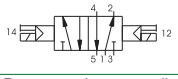
Solenoid-Solenoid-5/2

Ordering code

1111.52.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 390
Minimum piloting pressure 1,5 bar

Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	900	13	14	10	-5 ÷ +50

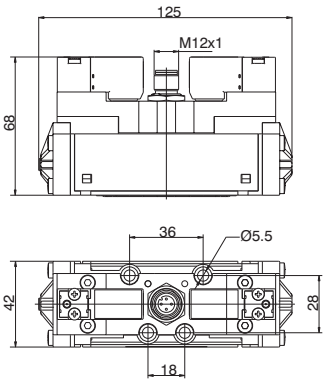
2

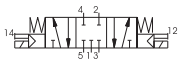
Solenoid-Solenoid-5/3 (Closed centres)

Ordering code

1111.53.31.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 392
Minimum piloting pressure 3 bar

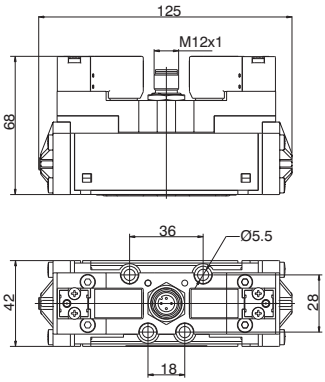
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	900	18	19	10	-5 ÷ +50

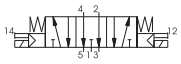
Solenoid-Solenoid-5/3 (Open centres)

Ordering code

1111.53.32.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 392
Minimum piloting pressure 3 bar

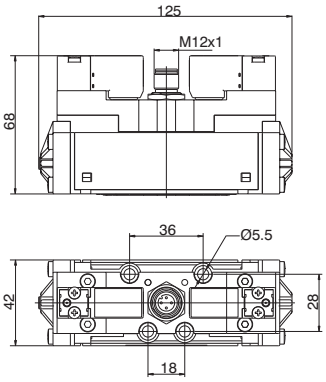
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	900	18	20	10	-5 ÷ +50

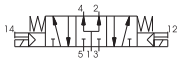
Solenoid-Solenoid-5/3 (Pressured centres)

Ordering code

1111.53.33.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 392
Minimum piloting pressure 3 bar

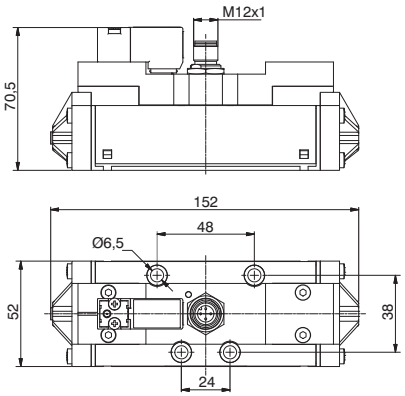
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	900	19	18	10	-5 ÷ +50

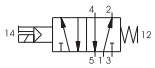
Solenoid - Spring-5/2

Ordering code

1112.52.3.9.T

T	COIL VOLTAGE
	12P = 24VDC





Weight gr. 510
Minimum piloting pressure 2,5 bar

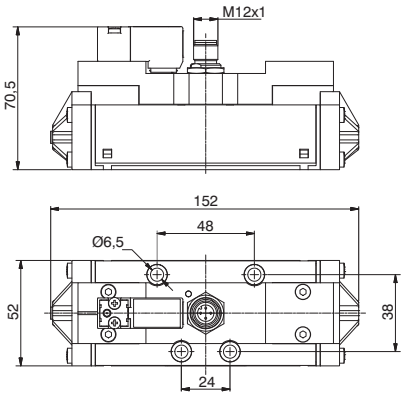
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	1600	24	124	10	-5 ÷ +50

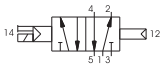
Solenoid - Differential-5/2

Ordering code

1112.52.3.6.T

T	COIL VOLTAGE
	12P = 24VDC





Weight gr. 515
Minimum piloting pressure 2 bar

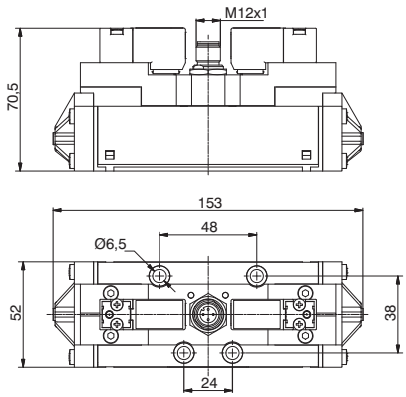
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	1600	37	90	10	-5 ÷ +50

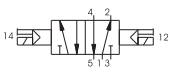
Solenoid-Solenoid-5/2

Ordering code

1112.52.3.5.T

T	COIL VOLTAGE
	12P = 24VDC





Weight gr. 550
Minimum piloting pressure 1,5 bar

Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	1600	17	20	10	-5 ÷ +50

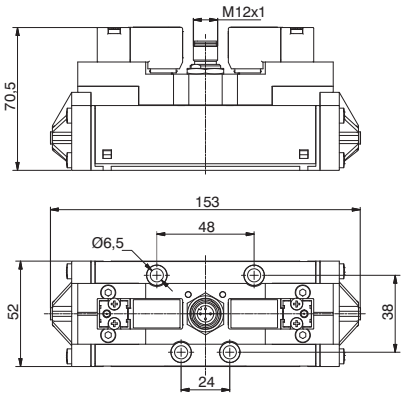
2

Solenoid-Solenoid-5/3 (Closed centres)

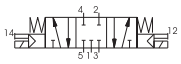
Ordering code

1112.53.31.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC



Weight gr. 560
Minimum piloting pressure 3 bar



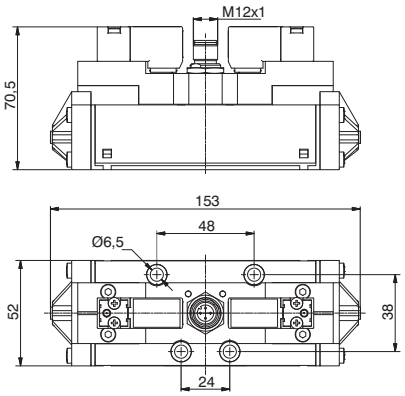
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	1600	18	112	10	-5 ÷ +50

Solenoid-Solenoid-5/3 (Open centres)

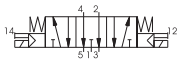
Ordering code

1112.53.32.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC



Weight gr. 560
Minimum piloting pressure 3 bar



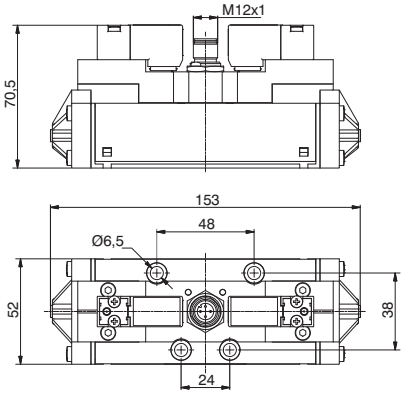
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	1600	18	106	10	-5 ÷ +50

Solenoid-Solenoid-5/3 (Pressured centres)

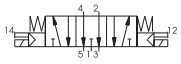
Ordering code

1112.53.33.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC



Weight gr. 560
Minimum piloting pressure 3 bar



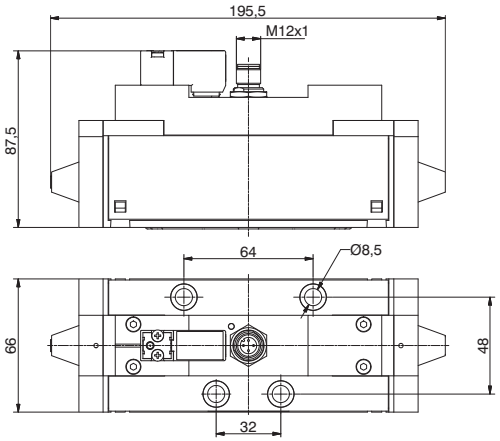
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	1600	20	118	10	-5 ÷ +50

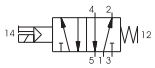
Solenoid - Spring-5/2

Ordering code

1113.52.3.9.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 1360
Minimum piloting pressure 2,5 bar

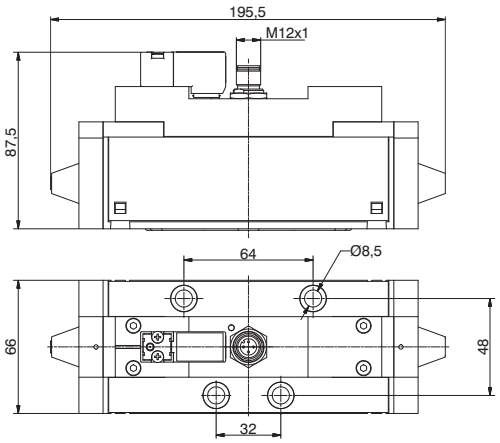
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	3600	46	254	10	-5 ÷ +50

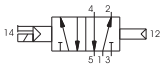
Solenoid - Differential-5/2

Ordering code

1113.52.3.6.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 1360
Minimum piloting pressure 2 bar

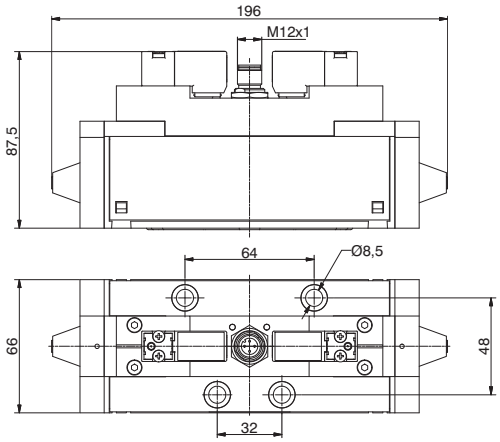
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	3600	78	180	10	-5 ÷ +50

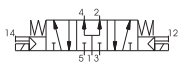
Solenoid-Solenoid-5/2

Ordering code

1113.52.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC





Weight gr. 1370
Minimum piloting pressure 1,5 bar

Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	3600	32	37	10	-5 ÷ +50

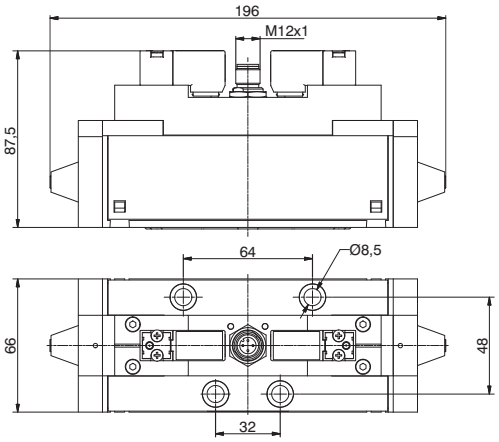
2

Solenoid-Solenoid-5/3 (Closed centres)

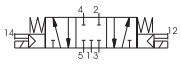
Ordering code

1113.53.31.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC



Weight gr. 1380
Minimum piloting pressure 3 bar



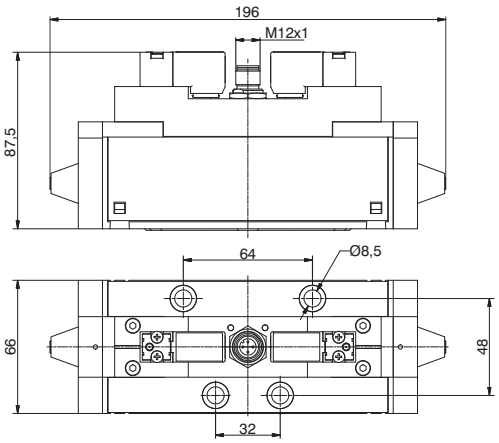
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	3600	30	305	10	-5 ÷ +50

Solenoid-Solenoid-5/3 (Open centres)

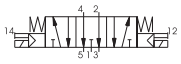
Ordering code

1113.53.32.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC



Weight gr. 1380
Minimum piloting pressure 3 bar



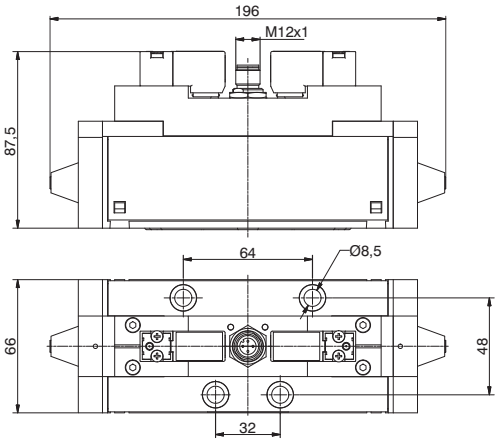
Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	3600	30	230	10	-5 ÷ +50

Solenoid-Solenoid-5/3 (Pressured centres)

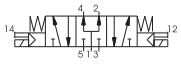
Ordering code

1113.53.33.3.5.Ⓣ

Ⓣ	COIL VOLTAGE
	12P = 24VDC



Weight gr. 1380
Minimum piloting pressure 3 bar



Operating Characteristics	Fluid	Flow rate at 6 bar with Δp=1 (Nl/min)	Responce time according to ISO 12238, activation	Responce time according to ISO 12238, deactivation	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	3600	32	270	10	-5 ÷ +50