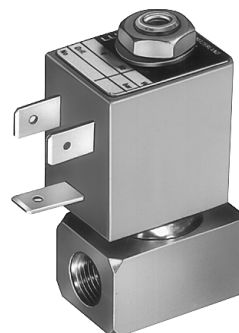
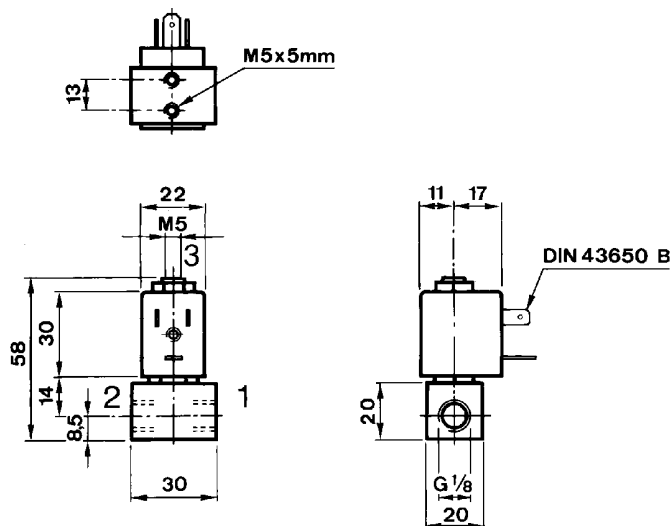
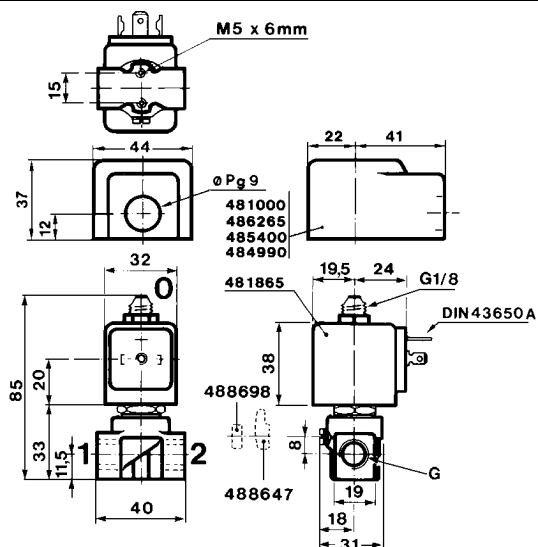


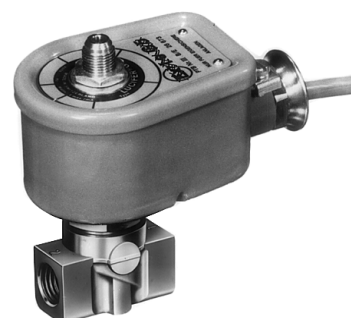
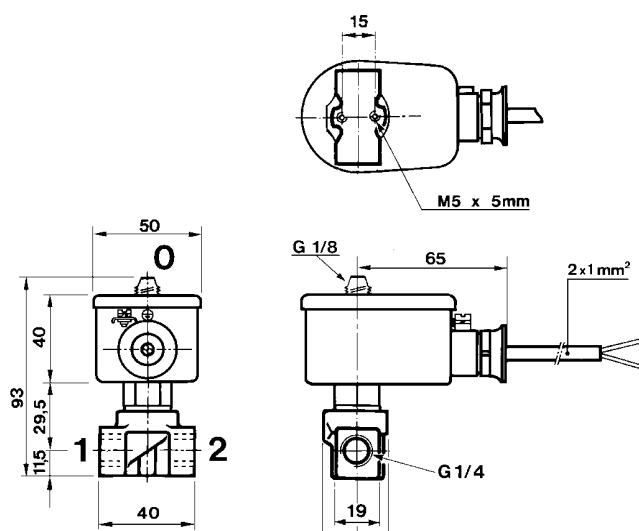
Solenoid valves for actuator control - 3/2 valves - Pipe connection



Dimension reference 14



Dimension reference 17



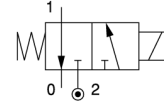
Dimension reference 77

Solenoid valves for actuator control - 3/2 valves - Pipe connection

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
G		Qn															

Brass body/Pipe mounting

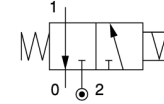
Direct operated



1/4	2	140	0	10	10	-40	80	PUR	7131KBG2JP1D	E131K06081D	¹	-	483250	8	8	1255	5	3845
	2.5	220	0	7	7	-10	100	FKM	7131KBG2LVM0	E131K0350	²	2995	481865	9	8	310	2	17
	2.5	220	0	7	7	-10	120	FKM				4270	481000	8	8	430	2	
	2.5	220	0.1	7	7	-10	75	NBR	7131EBG2LN00	E131E03		2995	481865	9	8	650	2	19
	(6)	(1100)	0.1	7	7	-10	75	NBR				2995	481865	9	8	650	2	
	2.5	220	0.1	7	7	-10	75	NBR				4270	481000	8	8	770	2	
	(6)	(1100)	0.1	7	7	-10	75	NBR				4270	481000	8	8	770	2	
	2.5	220	0	7	7	-10	80	NBR	7131KBG2LV1D	E131K03001D		-	483250	8	8	1255	5	3845
	2.5	220	0	7	7	-40	75	PUR	7131KBG2LP1D	E131K03081D	¹	-	483250	8	8	1255	5	3845
	2.5	220	0	7	7	-40	75	PUR	7131KBG2LP00	E131K0308	¹	2995	481865	9	8	180	2	17
	2.5	220	0	7	7	-40	75	PUR				4270	481000	8	8	180	2	
	2.5	220	0	7	7	-40	75	PUR	7131KBG2LPM0	E131K0358	²	2995	481865	¹	9	8	180	2
2.5	220	0	7	7	-40	75	PUR				4270	481000	¹	8	8	180	2	

Brass body/Pipe mounting

Direct operated



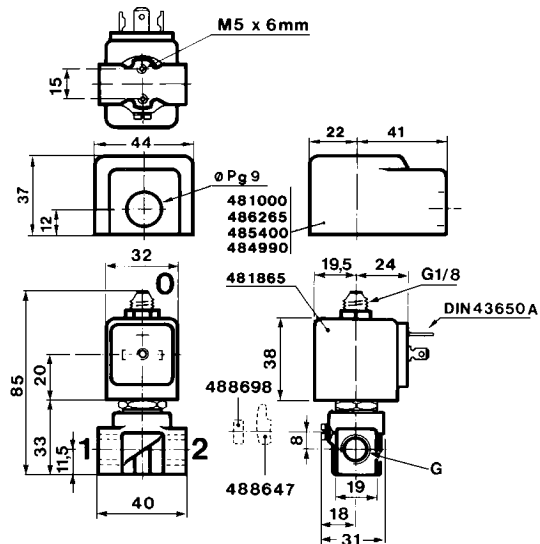
1/4	1.5	80	0	-	16	-10	100	FKM	7135KBG2GV00	135K04		4269	484990	-	11	450	4	17
	1.5	80	0	16	-	-10	100	FKM				4269	485400	13	-	450	4	
	2.5	220	0	-	7	-10	100	FKM	7135KBG2LV00	135K03		4269	484990	-	11	450	4	17
	2.5	220	0	7	-	-10	100	FKM				4269	485400	13	-	450	4	

Table continued on page 230

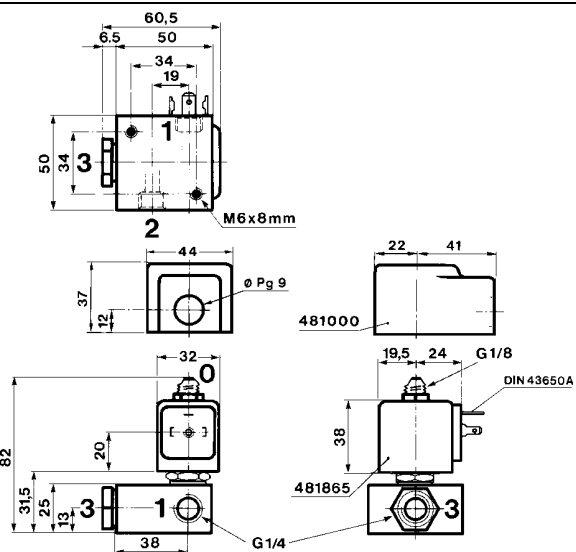
Notes:

- * See Electrical Parts Group table at end of section
 - 1. Operates with low temperatures down to -40 deg. C
 - 2. Manual override standard
- Values shown within brackets are valid for exhaust port only.

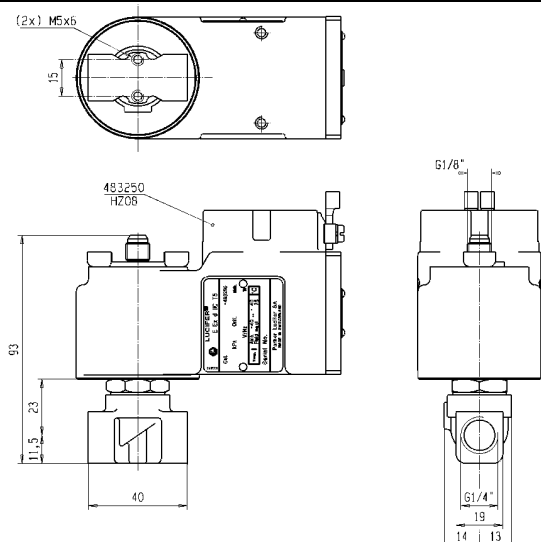
Solenoid valves for actuator control - 3/2 valves - Pipe connection



Dimension reference 17



Dimension reference 19



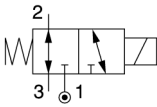
Dimension reference 3845

Solenoid valves for actuator control - 3/2 valves - Pipe connection

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)	Wt. (g)	El. Part Group *	Dim ref.
			Min	Max	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC		
G		Qn														

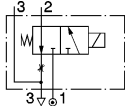
Anod. aluminium body/Pipe mounting

Direct operated



1/4	5	680	0	10	-	-25	65	NBR	-	133X01	1	-	492965.01	2	0.8	-	860	9	83
	5	680	0	10	10	-25	65	NBR				-	492300	2	6	6	860	9	

Direct operated



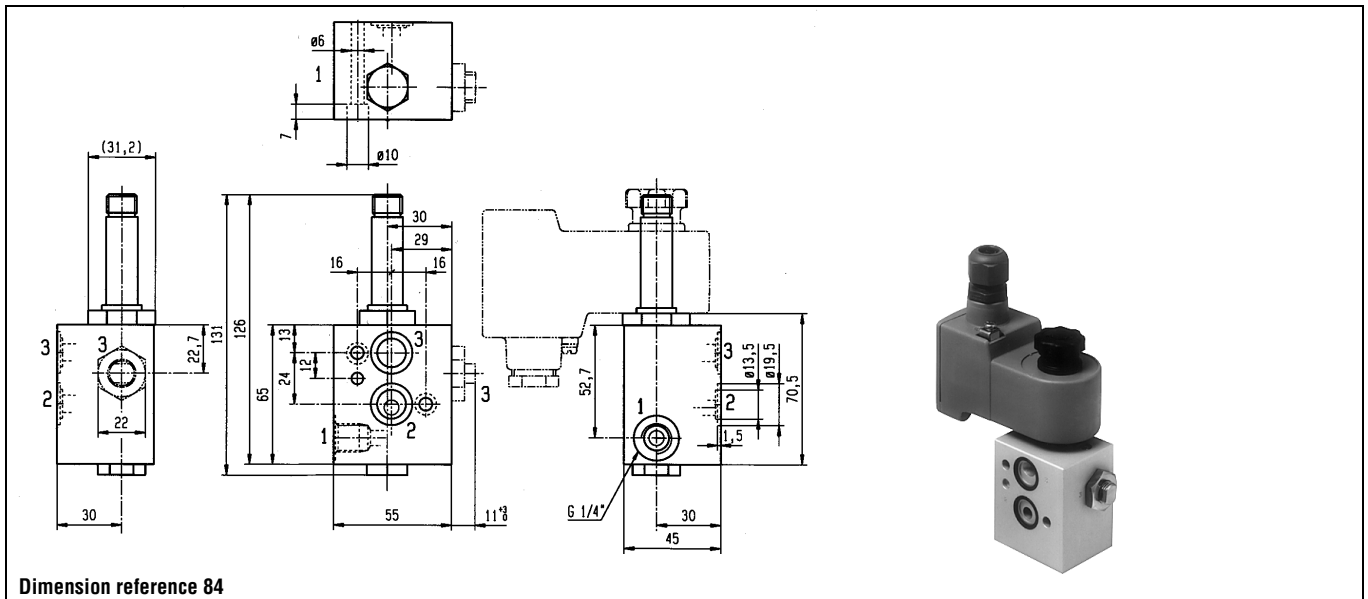
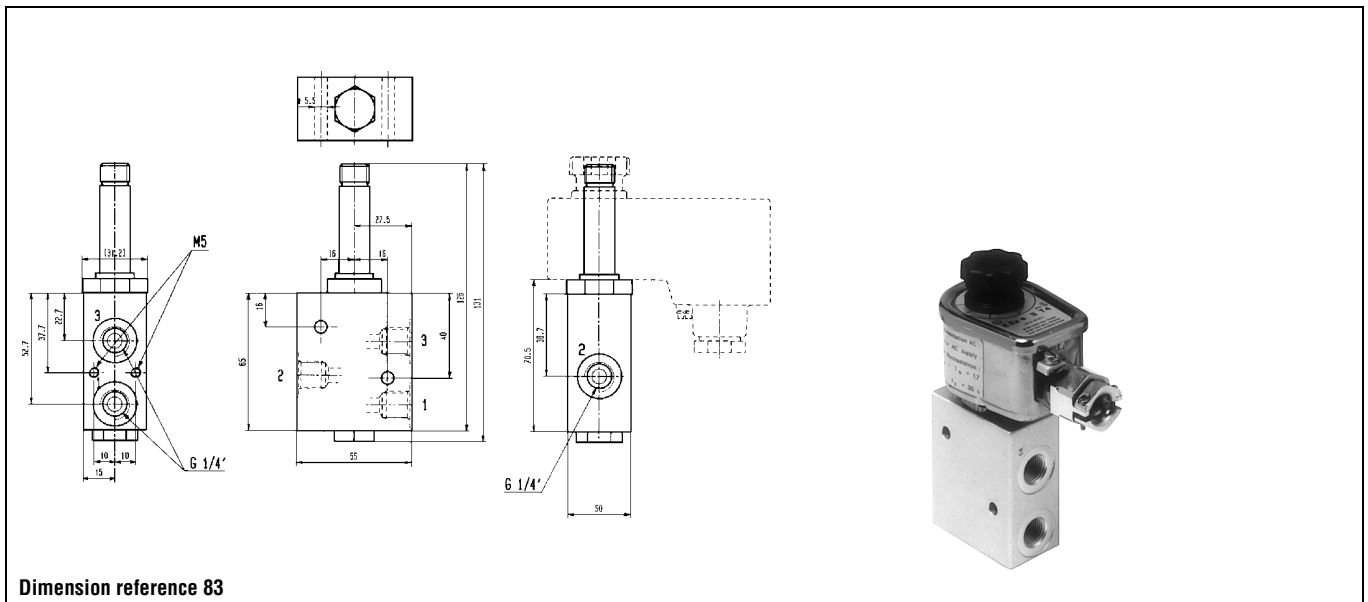
Anod. aluminium body/NAMUR interface

1/4	5	680	0	10	10	-25	75	NBR	7131XAKLVN00	131X1101	-	492300	2	6	6	1000	9	84
	5	680	0	10	-	-25	75	NBR			-	483330.01	2	0.85	-	1000	9	

Notes:

- * See Electrical Parts Group table at end of section
- 1. Optional manual override available on request - add suffix 50 to the basic reference number
- 2. This reference no. is for the complete electrical part (coil + housing)

Solenoid valves for actuator control - 3/2 valves - Pipe connection



Stackable solenoid valves for actuator control

3/2

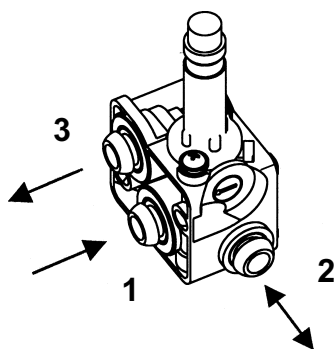
ACTUATION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR)	PAGE
Direct operated	6 6 6	1.3 to 1.5	10.0	234
	8 6 8	1.3 to 1.5	10.0	234
	- 6 -	1.3 to 1.5	10.0	234

Notes:

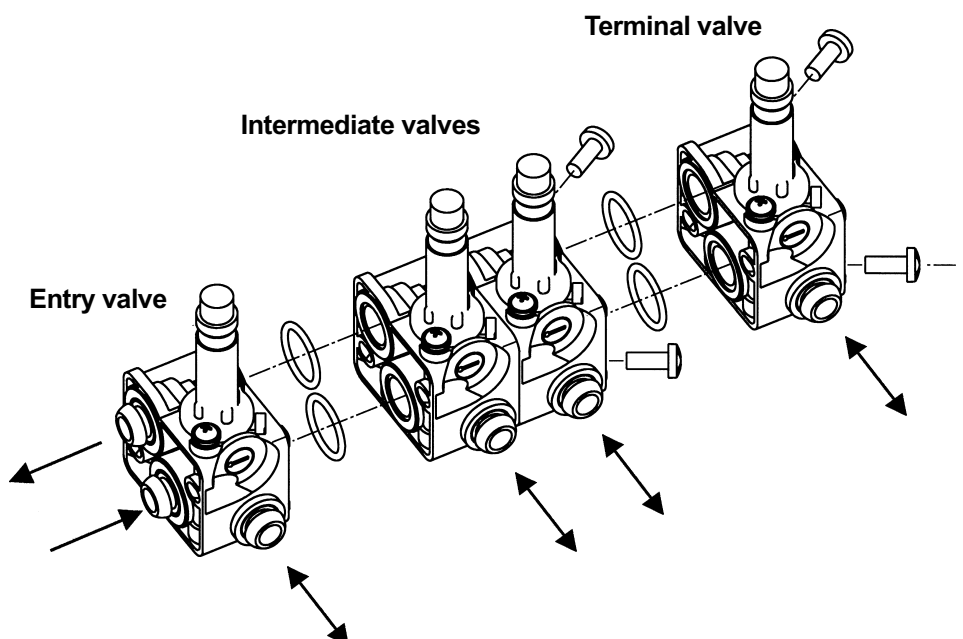
TECHNICAL DATA

Valve function	3/2 solenoid valve, normally closed
Valve design	Direct operated poppet valve.
Mounting	Direct pipe mounting (single valve) by self tapping screws 3.6x16 Battery mounting screws M4x10mm (supplied with the valves) For battery on DIN rail EN50022/35mm kit No. 494205 (fixing plate + screws). For battery mounting: recommended maximum number of valves operating simultaneously: 10 valves for 8 mm / 6 valves for 6 mm
Mounting position	Unrestricted.
Material specifications	Body made of Polyamid PA66 33%GF. Internal parts from stainless steel. Sealing material from synthetic rubber (FKM).
Manual override	Screw driver operated manual override is standard. Horizontal position of the slot on the screw head corresponds to the «closed» valve position; vertical position = «open».
Media	Dry or lubricated air, inert gases
Lubrication	Not required.
Fluid temperature	Min. – 10°C Max. +75°C
Ambient temperature	– 10 °C up to + 50°C.
Voltage tolerance	– 10% to +15% of nominal.
Class of insulation material	Class F 155°C
Solenoid duty	Continuous duty solenoid
Life expectancy	Indicative: 10 Mio. cycles

Single valve

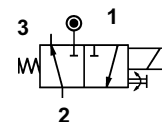


Stackable valves



VALVE TYPES OVERVIEW

Push-in Connection	Orifice	Qn	Pressure (Bar)		Max media temp.	Seat Disc Material	Valve reference	El. Parts group
Ø (mm)	(mm)	L/min	min	max	(°C)			



SINGLE VALVE

1	2	3	1 = Inlet - 2 = user - 3 = exhaust							
6	6	6	1.5	50	0	7	75	FKM	2131TNF6GVMS	1
6	6	6	1.3 (1.5)	50 (62)	0	10	75	FKM	2131TNF6EVMS	

STACKABLE

Entry Valve

6	6	6	1.5	62	0	7	75	FKM	2131TNF6GVME	1
8	6	8	1.5	62	0	7	75	FKM	2131TNF8GVME	
6	6	6	1.3 (1.5)	50 (62)	0	10	75	FKM	2131TNF6EVME	
8	6	8	1.3 (1.5)	50 (62)	0	10	75	FKM	2131TNF8EVME	

Intermediate valve

–	6	–	1.5	62	0	7	75	FKM	2131TNF6GVMI	1
–	6	–	1.3 (1.5)	50 (62)	0	10	75	FKM	2131TNF6EVMI	

Terminal valve

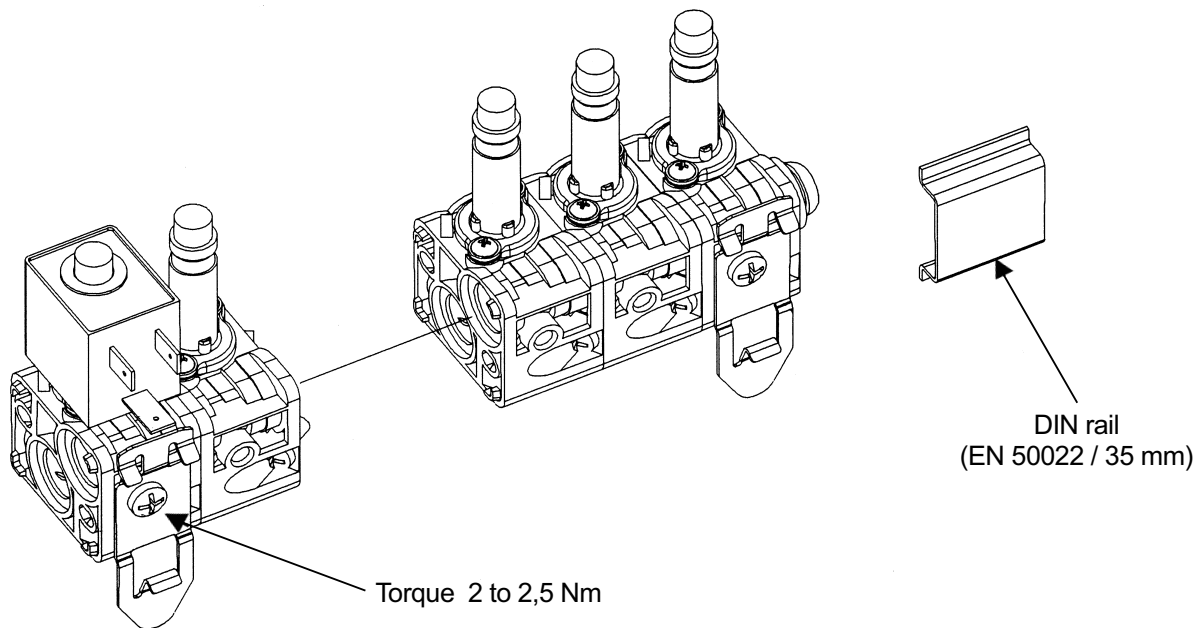
–	6	–	1.5	62	0	7	75	FKM	2131TNF6GVMT	1
–	6	–	1.3 (1.5)	50 (62)	0	10	75	FKM	2131TNF6EVMT	

Note: Values shown within brackets are valid for exhaust port only.

ELECTRICAL DATA

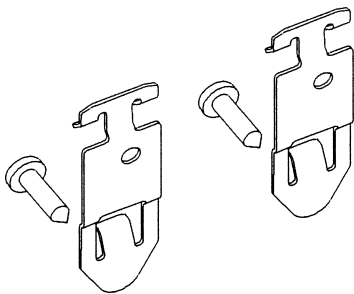
Coil Ref. No.	Coil Order No.	Protection Class	Power W) DC AC		Connection	Housing Ref. No.	Housing Order No.	Ambient temperature (°C) min max		El. Parts Group
488980	DA01	Without DIN Plug - Class F	2.5	2	DIN Plug	8993	A0	– 10	50	1
481045	DA02	With DIN Plug Class F IP65	2.5	2	DIN Plug	8993	A0	– 10	50	
482606	VA02	Ex m II T5 – IP65	2.5	2	Cable 1500 mm	–	–	– 40	50	

MOUNTING ON DIN RAIL



ACCESSORIES

Fixing kit for DIN rail EN 50022 / 35mm



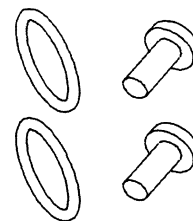
494205

2 x mounting plates
2 x Screws Ø 4.2 x 16

To be ordered separately

SPARE PARTS KIT

Spare parts kit for stackable valve

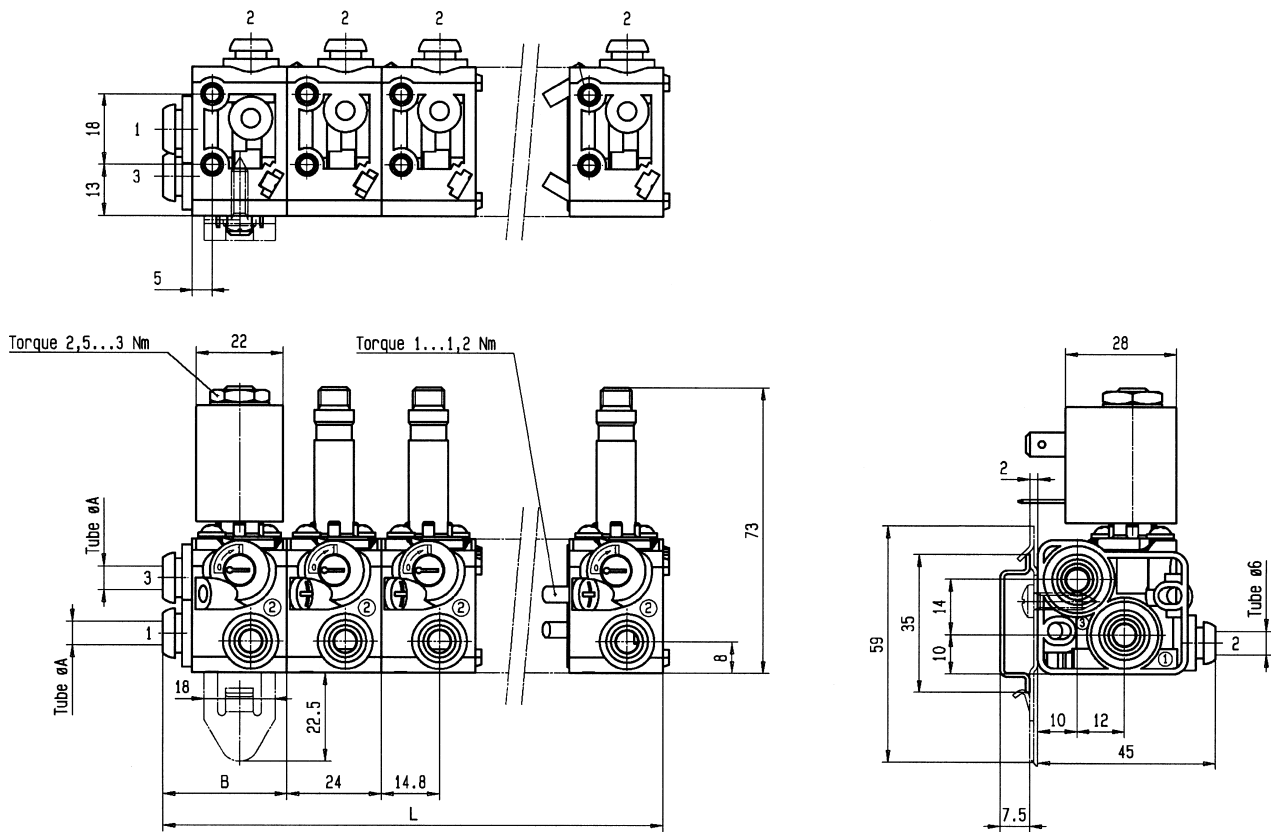


495102

2 x Screws M4 x 10
2 x O-Rings Øint. 14 x 1.78

Supplied with valves

DIMENSIONAL DRAWINGS



Unit weight without coil: 50 g.

Ø A [mm]	6	8
B [mm]	29	34
L [mm]	24 (n-1) + 29	24 (n-1) + 34
n = number of valves, maximum recommended = 10		