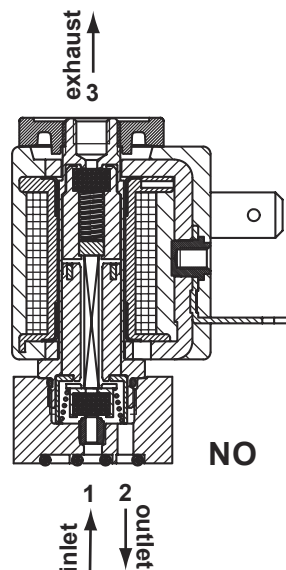


direct operated solenoid valves

coil 22 mm

general information	
ambient temperature	- 10°C to + 50°C
response time	5 - 8 ms
mounting	in any position
seal materials, standard*	NBR, FPM, EPDM*
dimensions	see page 2/4
coil data	see page 2/4
connector data	see page 2/4
sub-base	see page 3/4 and 4/4

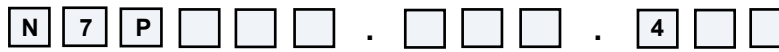


\* other seal materials on request

function	symbol	orifice mm	*Kv	pressure range (bar)			nominal power		TABLE A main code		
				min.	max. DC	max. AC	Watt DC	V.A. AC			
								inr.		hol.	
<b>3/2 normally open (NO)</b> 		1.2	0.5	0	-	13	-	9	7.5	<b>N7P212</b>	
		1.2	0.5	0	13	-	5	-	-	<b>N7P712</b>	
		1.6	1.1	0	-	10	-	9	7.5	<b>N7P216</b>	
		1.6	1.1	0	10	-	5	-	-	<b>N7P716</b>	

\*l/min. of water with ΔP of 1 bar

order code



main code
see table A on this page

stem	
code	material
<b>C</b>	brass* *option: chem. nickel

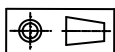
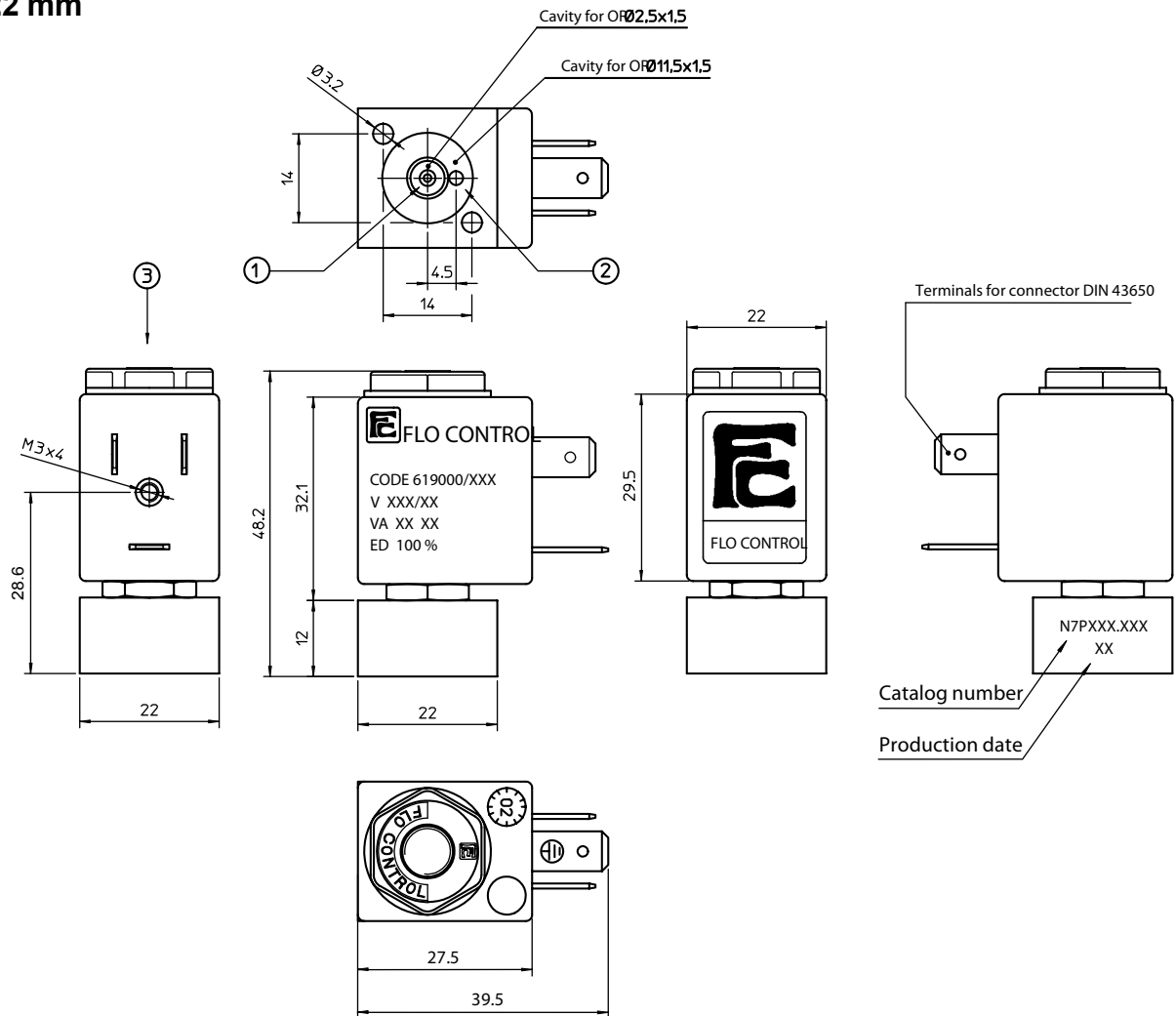
seals	
code	material
<b>B</b>	NBR
<b>V</b>	FPM
<b>E</b>	EPDM

manual override	
code	type
<b>0</b>	none

coil code
see table B on page 2/4

direct operated solenoid valves

coil 22 mm



**weight** | 110 g

coil code	TABLE B			
	*voltages	code		
		~ 50 Hz	~ 60 Hz	= DC
	6	-	-	461
	12	-	-	466
	24	411	444	471
	48	416	-	476
	110	421	-	481
	115	-	453	-
	220	431	-	491
	230	457	459	-

coil specification	
wire insulation	class H180° C
encapsulation	class F155° C
encapsulation mat.	nylon
energising duration	100% at +20° C ambient
voltage tolerance	- 10% to +15% of nominal voltage
power consumption	AC 7,5 VA - DC 5 Watt
electrical connection	DIN 43650/B (2P+ earth)
cable connection	Pg 9 (for cable dia. 6-8mm)
protection class	IP 65 (with connector )

\* other voltages and wattages on request

**connector** (not included, must be ordered separately)

**code** | Z10030

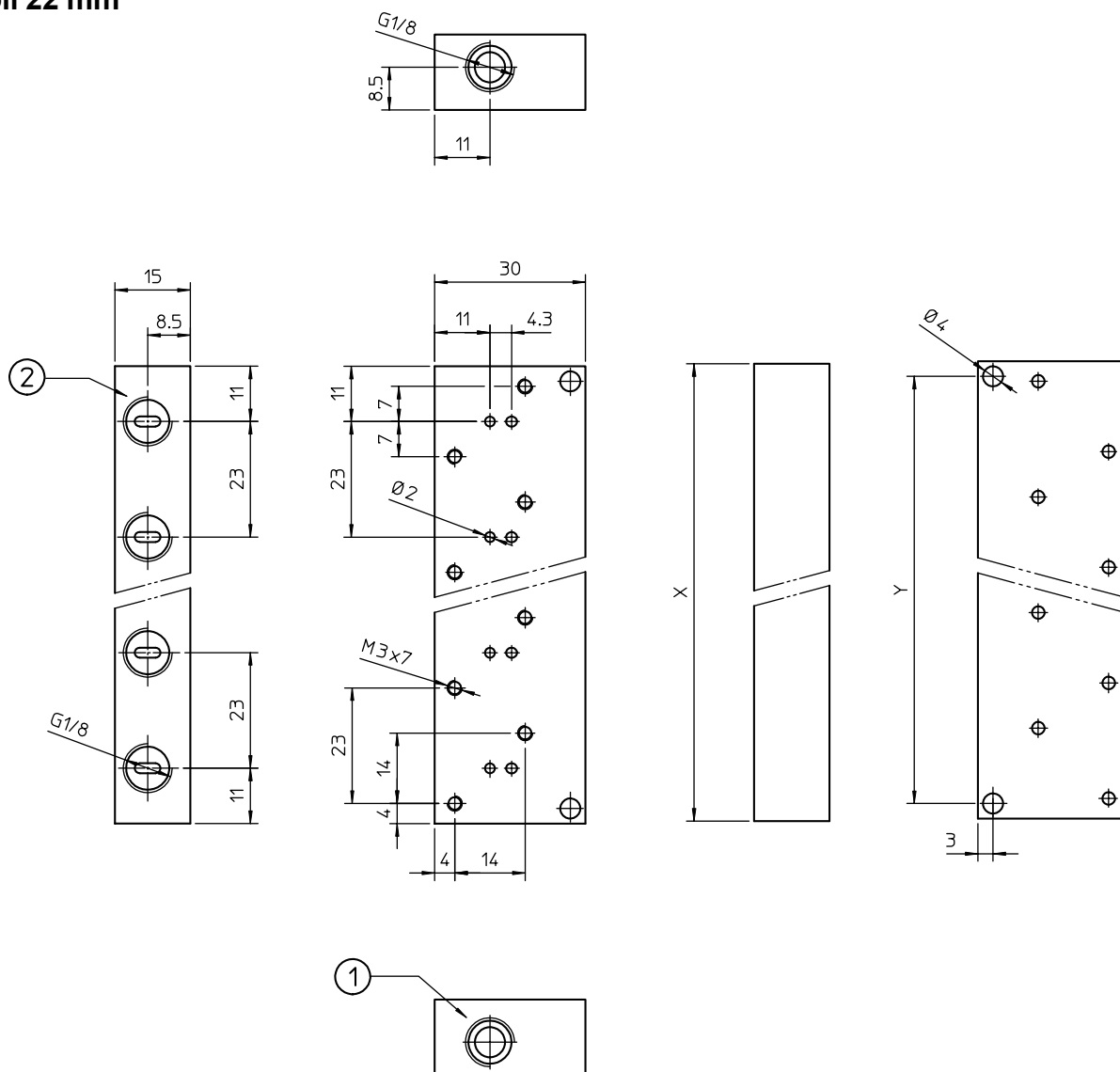
**FLO CONTROL**

Solenoid Valves



direct operated solenoid valves

coil 22 mm



order code	stations	X (mm)	Y (mm)	weight (g)
<b>ZZ11.B1.38B</b>	1	22	16	65
<b>ZZ11.B2.38B</b>	2	45	39	132
<b>ZZ11.B3.38B</b>	3	68	62	210
<b>ZZ11.B4.38B</b>	4	91	85	280
<b>ZZ11.B5.38B</b>	5	114	108	350
<b>ZZ11.B6.38B</b>	6	137	131	430

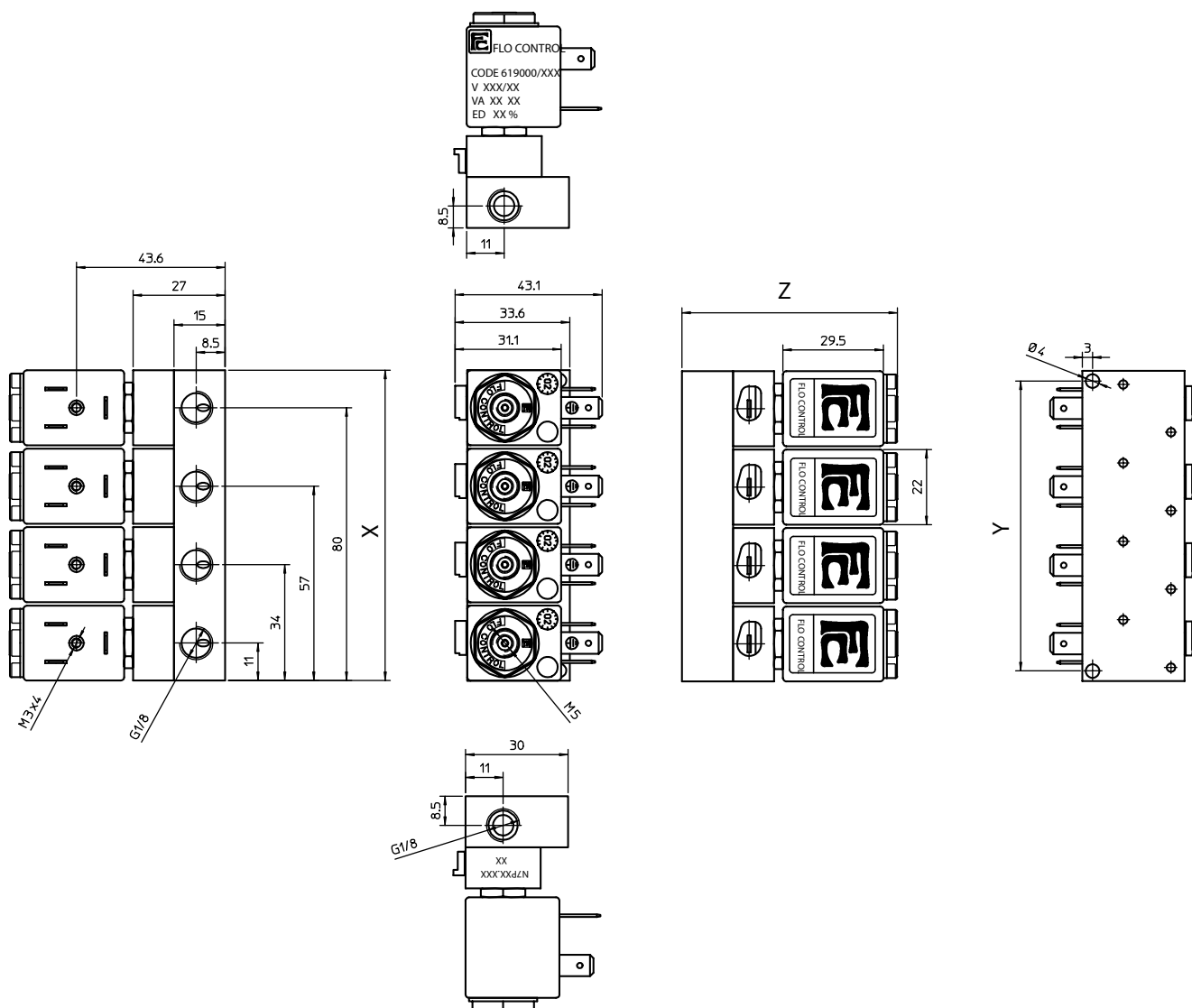
-M3 screws order code Z11010 (two each valves station) must be ordered separately

**FLO CONTROL**

Solenoid Valves



direct operated solenoid valves  
coil 22 mm



dimensions assembled manifolds

order code	stations	X (mm)	Y (mm)	Z (mm)	weight (g)
parts have to be ordered separately: valves see page 1/4 bases see page 3/4 screws see page 3/4	1	22	16	63.2	175
	2	45	39	63.2	352
	3	68	62	63.2	540
	4	91	85	63.2	720
	5	114	108	63.2	900
	6	137	131	63.2	1090