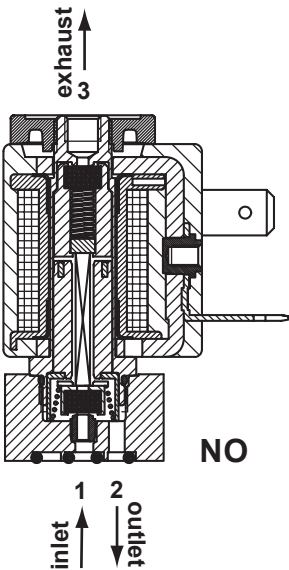


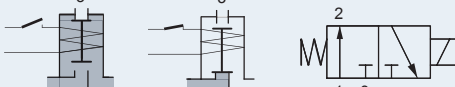
direct operated solenoid valves

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



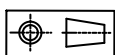
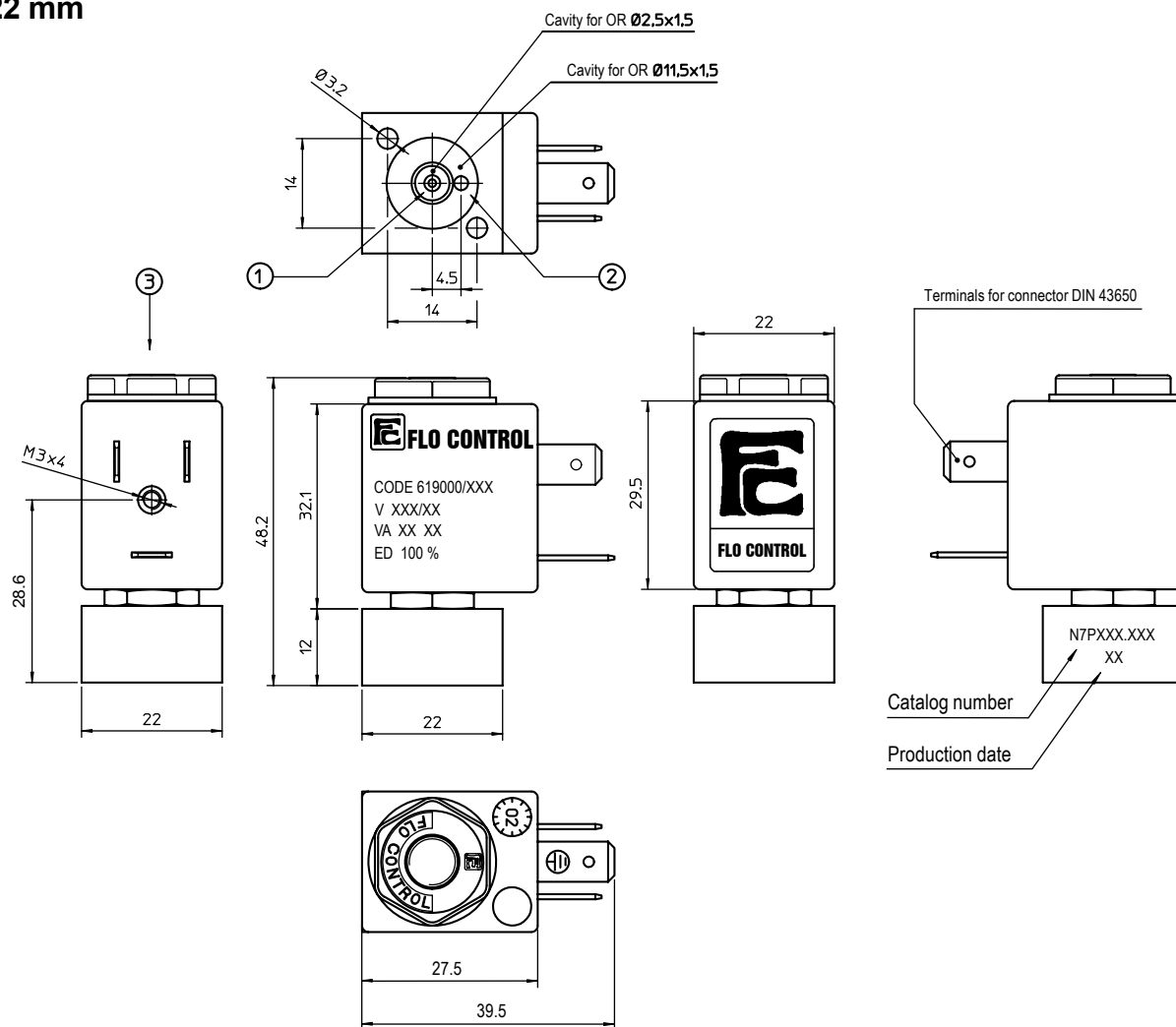
function	symbol	orifice mm	*Kv	pressure range (bar)			nominal power		TABLE A	
				min.	max. DC	max. AC	Watt DC	V.A. AC		main code
								inr.	hol.	
3/2 normally open (NO) 		1.2	0.5	0	-	13	-	9	7.5	N7P212
		1.2	0.5	0	13	-	5	-	-	N7P712
		1.6	1.1	0	-	10	-	9	7.5	N7P216
		1.6	1.1	0	10	-	5	-	-	N7P716

*l/min. of water with ΔP of 1 bar

order code									
N		7		P					

direct operated solenoid valves

coil 22 mm



weight 100 g

coil code		TABLE B		
 CODE 619000/XXX V XXX/XX VA XX XX ED 100 %	*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	-

* other voltages and wattages on request

coil specification	
wire insulation	class H180° C
encapsulation	class F155° C
encapsulation mat.	nylon
energising duration	100% at +20° C ambient
voltage tolerance	- 10% +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)

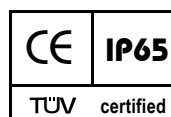
connector (not included, must be ordered separately)

code Z10030

FLO CONTROL

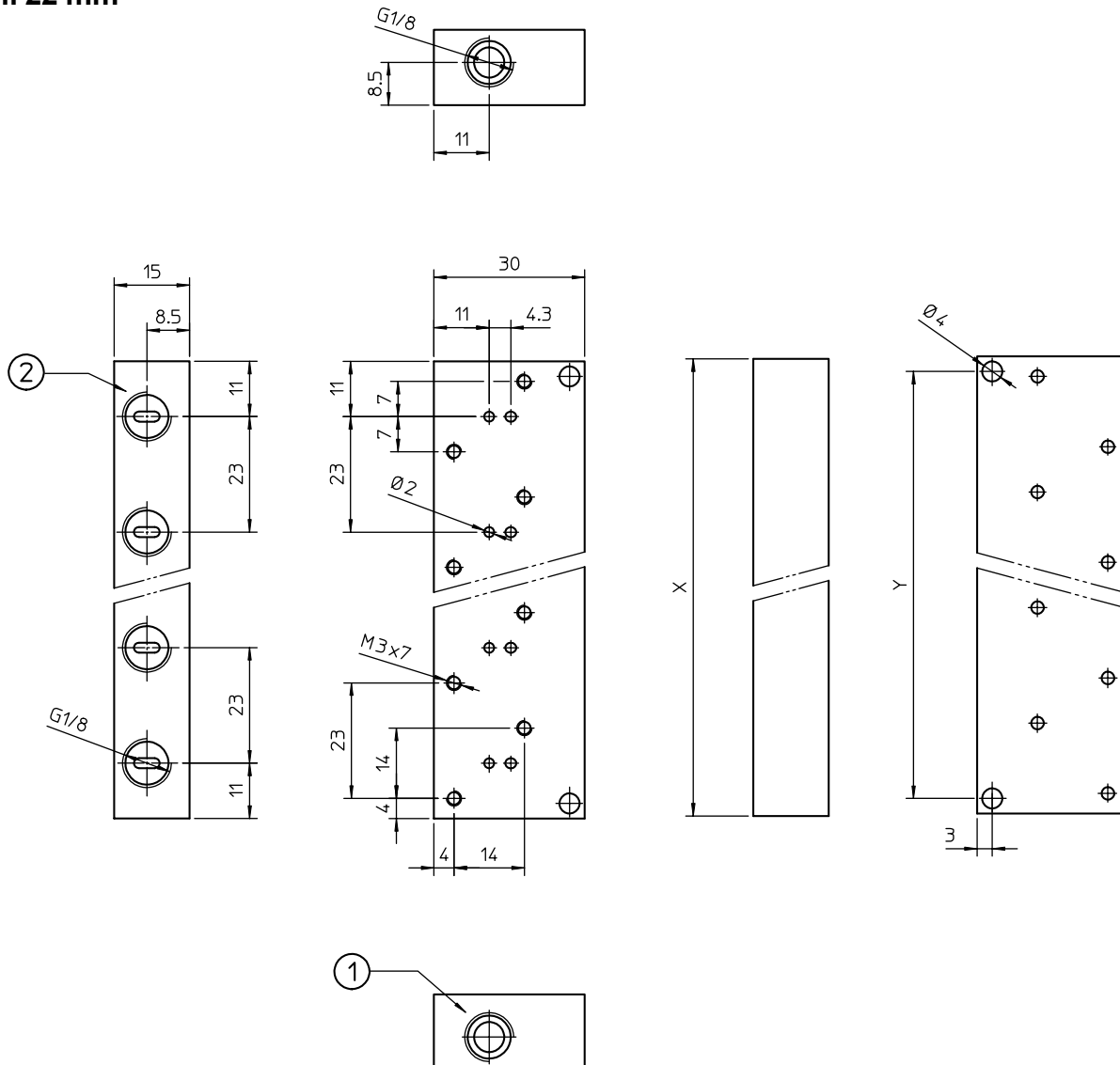
Solenoid Valves


 Production
monitored

Safety tested


direct operated solenoid valves

coil 22 mm



order code	stations	X (mm)	Y (mm)	weight (g)
ZZ11.B1.38B	1	22	16	21
ZZ11.B2.38B	2	45	39	44
ZZ11.B3.38B	3	68	62	68
ZZ11.B4.38B	4	91	85	90
ZZ11.B5.38B	5	114	108	114
ZZ11.B6.38B	6	137	131	138

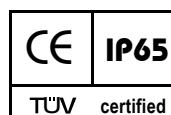
-M3 screws order code Z11010 (two each valves station) must be ordered separately

FLO CONTROL

Solenoid Valves

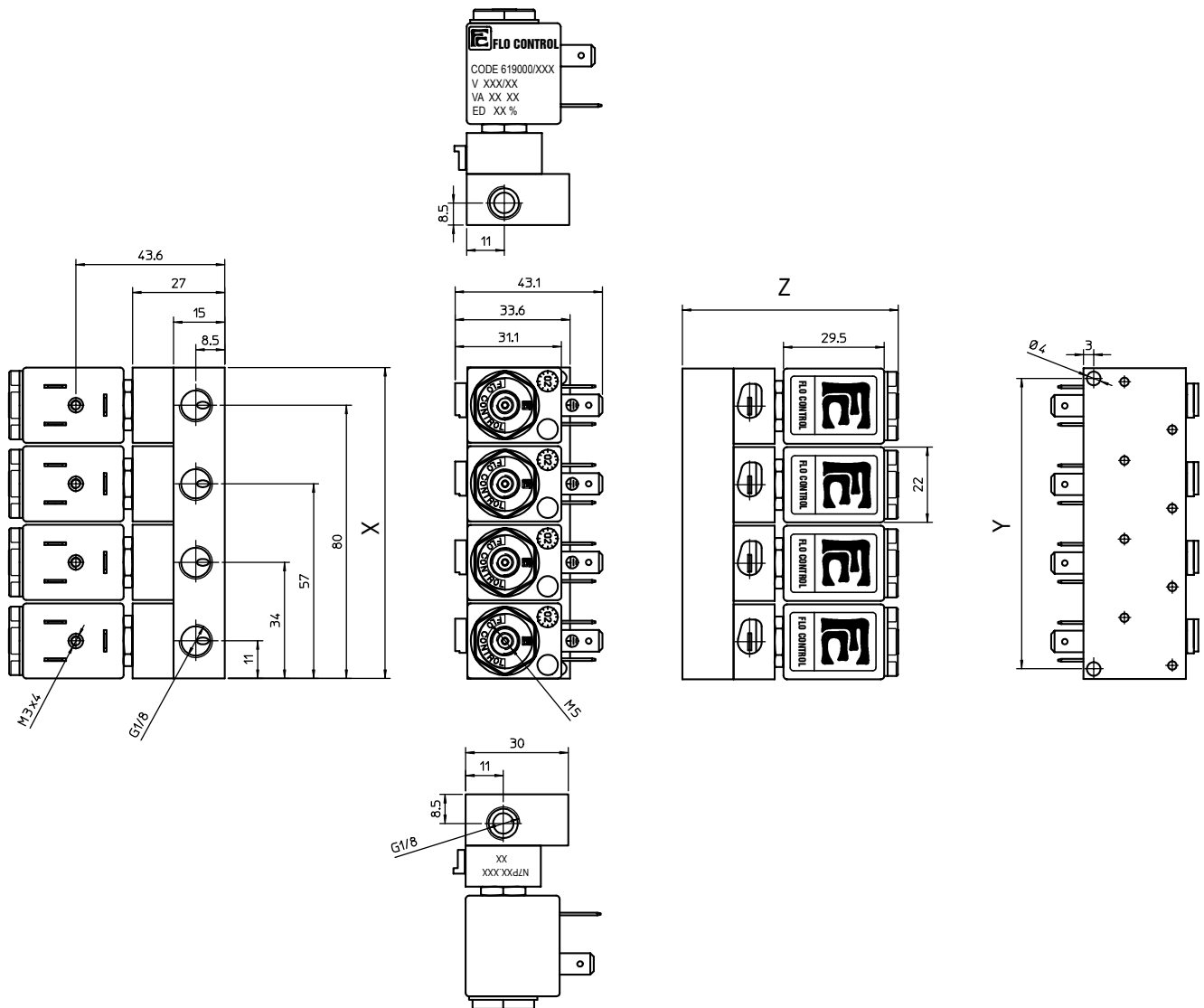
Production
monitored

Safety tested



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	121
	2	45	39	63.2	244
	3	68	62	63.2	368
	4	91	85	63.2	490
	5	114	108	63.2	614
	6	137	131	63.2	738

FLO CONTROL

Solenoid Valves


 Production
monitored

Safety tested
