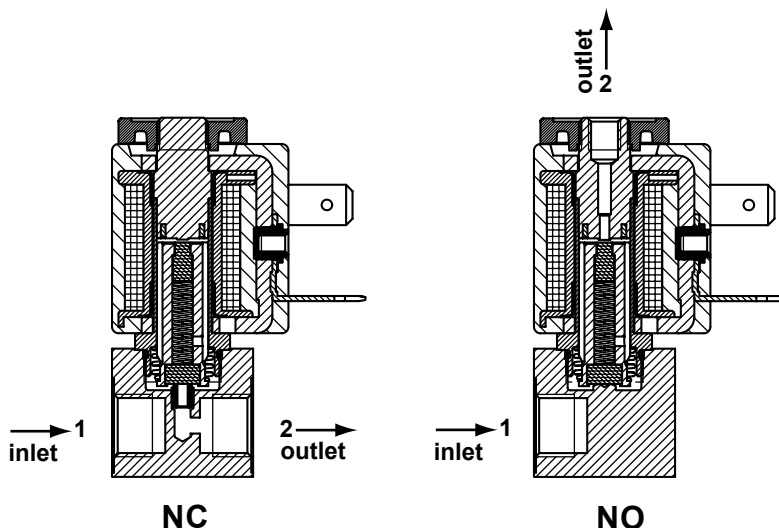


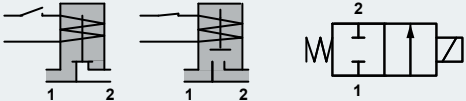
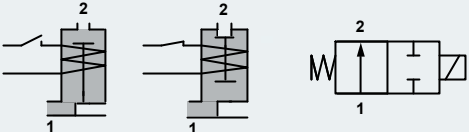
direct operated solenoid valves

coil 22 mm

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

* 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.	
2/2 normally closed (NC) 	1.0	0.4	0	-	35	-	9	7.5	N2B110	
	1.0	0.4	0	20	-	5	-	-	N2B610	
	1.2	0.5	0	-	26	-	9	7.5	N2B112	
	1.2	0.5	0	15	-	5	-	-	N2B612	
	1.6	1.1	0	-	15	-	9	7.5	N2B116	
	1.6	1.1	0	7.5	-	5	-	-	N2B616	
	2.0	1.5	0	-	9	-	9	7.5	N2B120	
	2.0	1.5	0	4.5	-	5	-	-	N2B620	
	2.4	2.0	0	-	5	-	9	7.5	N2B124	
	2.4	2.0	0	4	-	5	-	-	N2B624	
	3.0	2.4	0	-	4	-	9	7.5	N2B130	
	3.0	2.4	0	2	-	5	-	-	N2B630	
2/2 normally open (NO) 	1.2	0.5	0	-	12	-	9	7.5	N2B212	
	1.2	0.5	0	12	-	5	-	-	N2B712	
	1.6	1.1	0	-	10	-	9	7.5	N2B216	
	1.6	1.1	0	10	-	5	-	-	N2B716	
	2.0	1.5	0	4.5	-	5	-	-	N2B720	
	2.4	2.0	0	3	-	5	-	-	N2B724	

*l/min. of water with ΔP of 1 bar

order code

N 2 B . . . 4 . . .

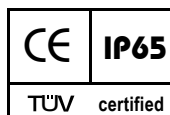
main code	stem		seals		manual override		coil code
see table A on this page	code	material	code	material	code	type	see table B on page 2/3
	B	stainless AISI 303	B	NBR	0	none	
	C	brass	V	FPM	1	brass screw	
			E	EPDM	4	plastic lever	
			T	PTFE			

FLO CONTROL

Solenoid Valves

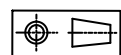
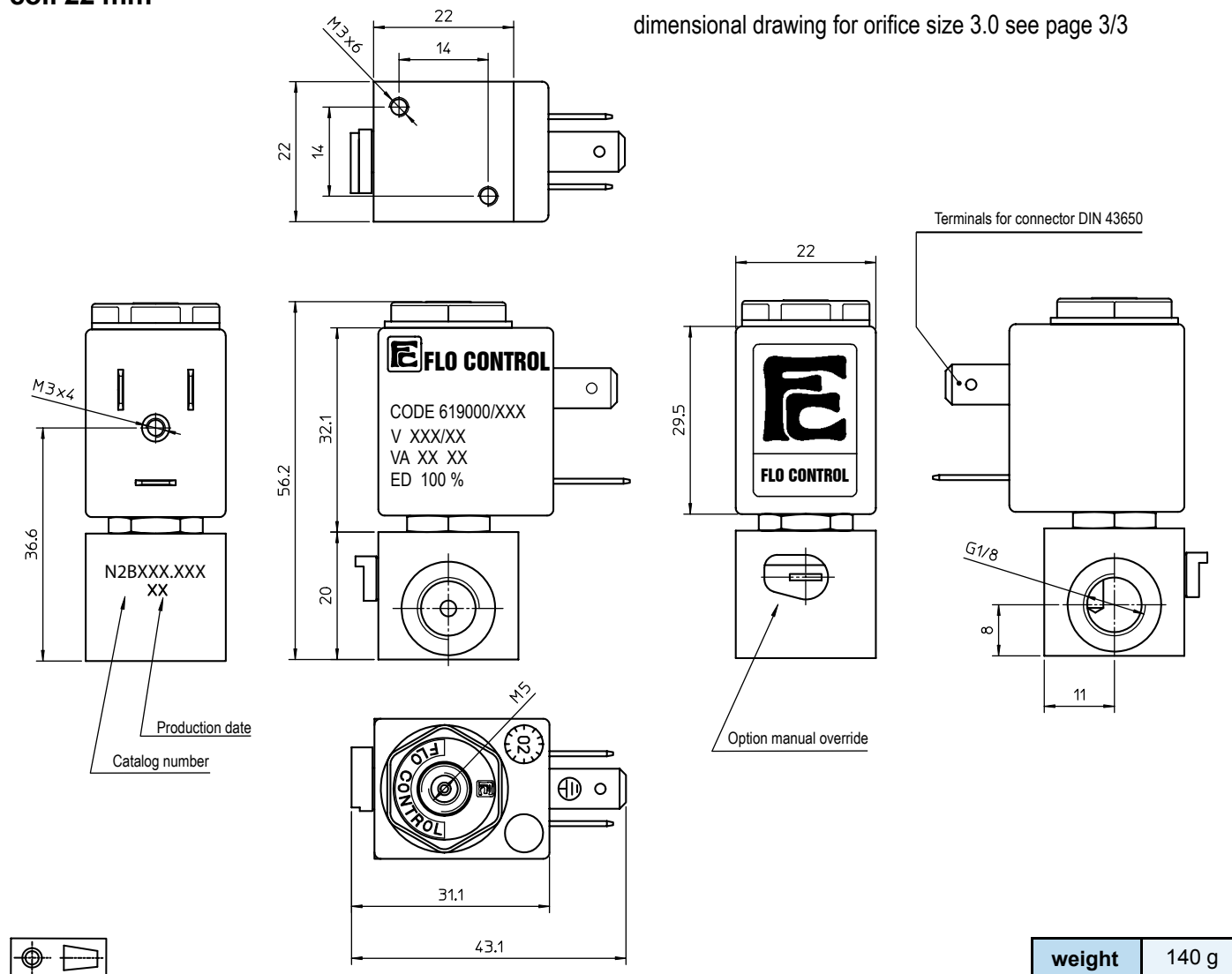


Production
monitored
Safety tested



direct operated solenoid valves

coil 22 mm

dimensional drawings for orifice size 1.0 - 1.2 - 1.6 - 2.0 and 2.4
dimensional drawing for orifice size 3.0 see page 3/3

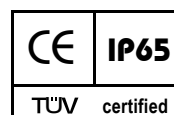
coil code		TABLE B			
 CODE 619000/XXX V XXX/XX VA XX XX ED 100 %	*voltages	code			
		~ 50 Hz	~ 60 Hz	= DC	
	6	-	-	461	
	12	-	-	466	
	24	411	444	471	
	48	416	-	476	
	110	421	-	481	
	115	-	453	-	
	220	431	-	491	
	230	457	459	-	

* 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)

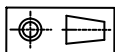
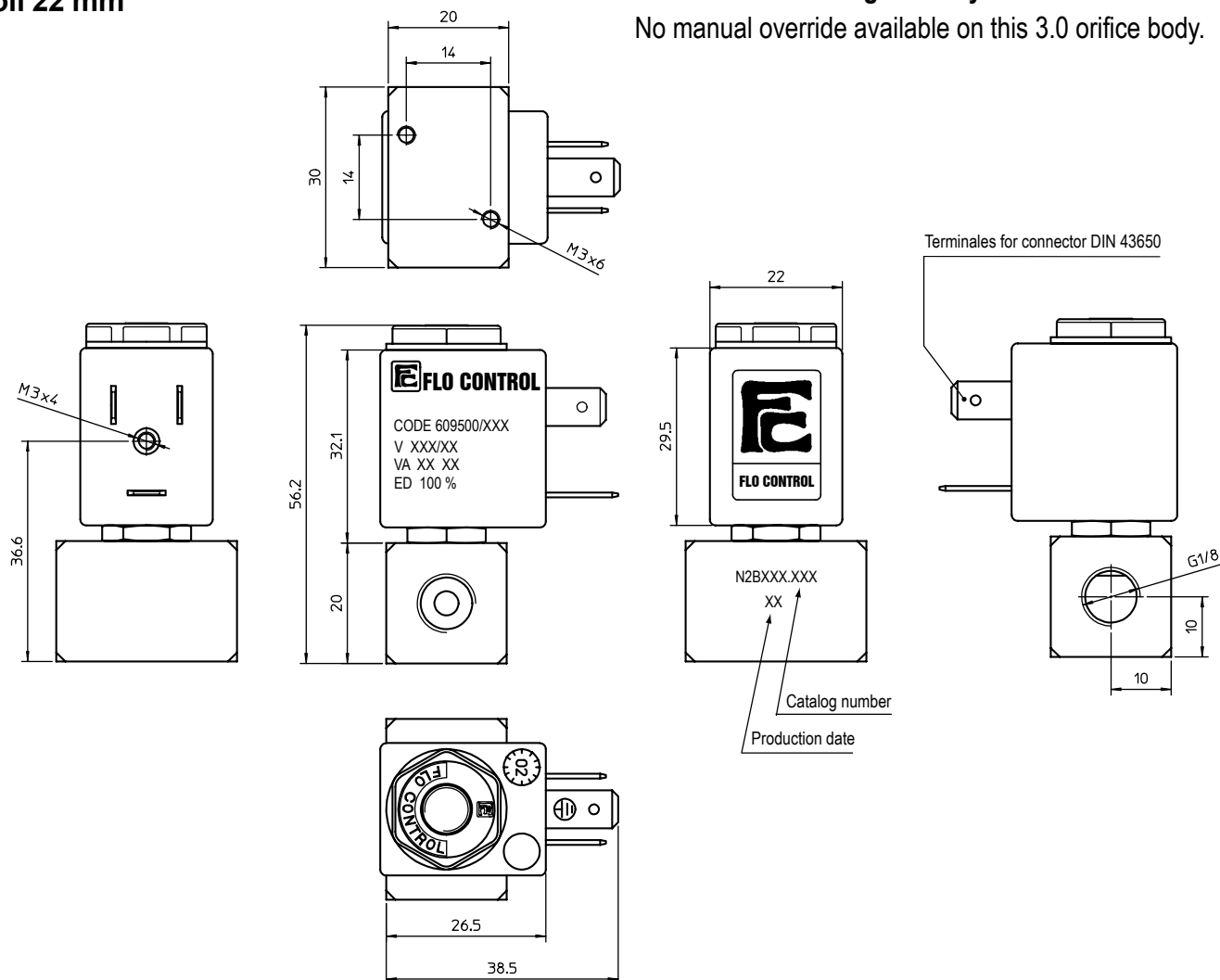
code Z10030

FLO CONTROL
Solenoid Valves


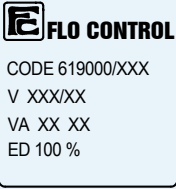
direct operated solenoid valves

coil 22 mm

Dimensional drawing for body with orifice size 3.0 only.
No manual override available on this 3.0 orifice body.



weight	160 g
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coil code	TABLE B			
	*voltages	code		
		~ 50 Hz	~ 60 Hz	= DC
 CODE 619000/XXX V XXX/XX VA XX XX ED 100 %	6	-	-	461
	12	-	-	466
	24	411	444	471
	48	416	-	476
	110	421	-	481
	115	-	453	-
	220	431	-	491
	230	457	459	-

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cable connection	Pg 9 (for cable dia. 6-8mm)
protection class	IP 65 (with connector)

connector (not included, must be ordered separately)

code	Z10030
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FLO CONTROL
Solenoid Valves

