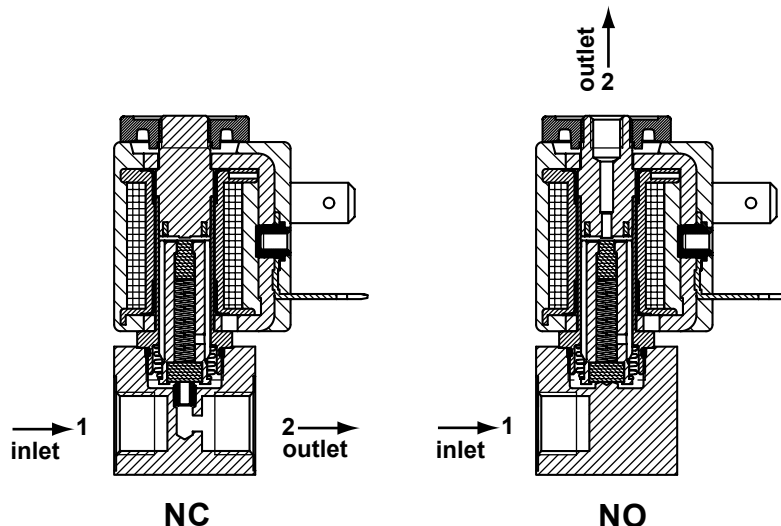


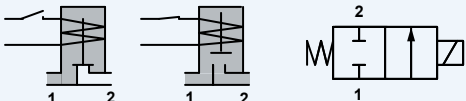
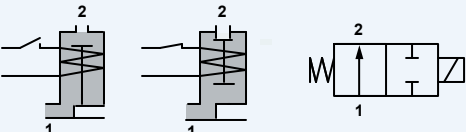
direct operated solenoid valves

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 2/2          |
| coil data                | see page 2/2          |
| connector data           | see page 2/2          |

\* other seal materials on request



| function                                                                                                        | symbol | orifice<br>mm | *Kv | pressure range (bar) |            |            | nominal power |         |      | TABLE A      |
|-----------------------------------------------------------------------------------------------------------------|--------|---------------|-----|----------------------|------------|------------|---------------|---------|------|--------------|
|                                                                                                                 |        |               |     | min.                 | max.<br>DC | max.<br>AC | Watt<br>DC    | V.A. AC |      | main<br>code |
|                                                                                                                 |        |               |     |                      |            |            |               | inr.    | hol. |              |
| 2/2 normally closed (NC)<br> |        | 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       |
| 2/2 normally open (NO)<br>   |        | 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       |
|                                                                                                                 |        |               |     |                      |            |            |               |         |      |              |
|                                                                                                                 |        |               |     |                      |            |            |               |         |      |              |
|                                                                                                                 |        |               |     |                      |            |            |               |         |      |              |

\*l/min. of water with ΔP of 1 bar

order code

N 2 B . S . 4

| main code                   |
|-----------------------------|
| see table A<br>on this page |

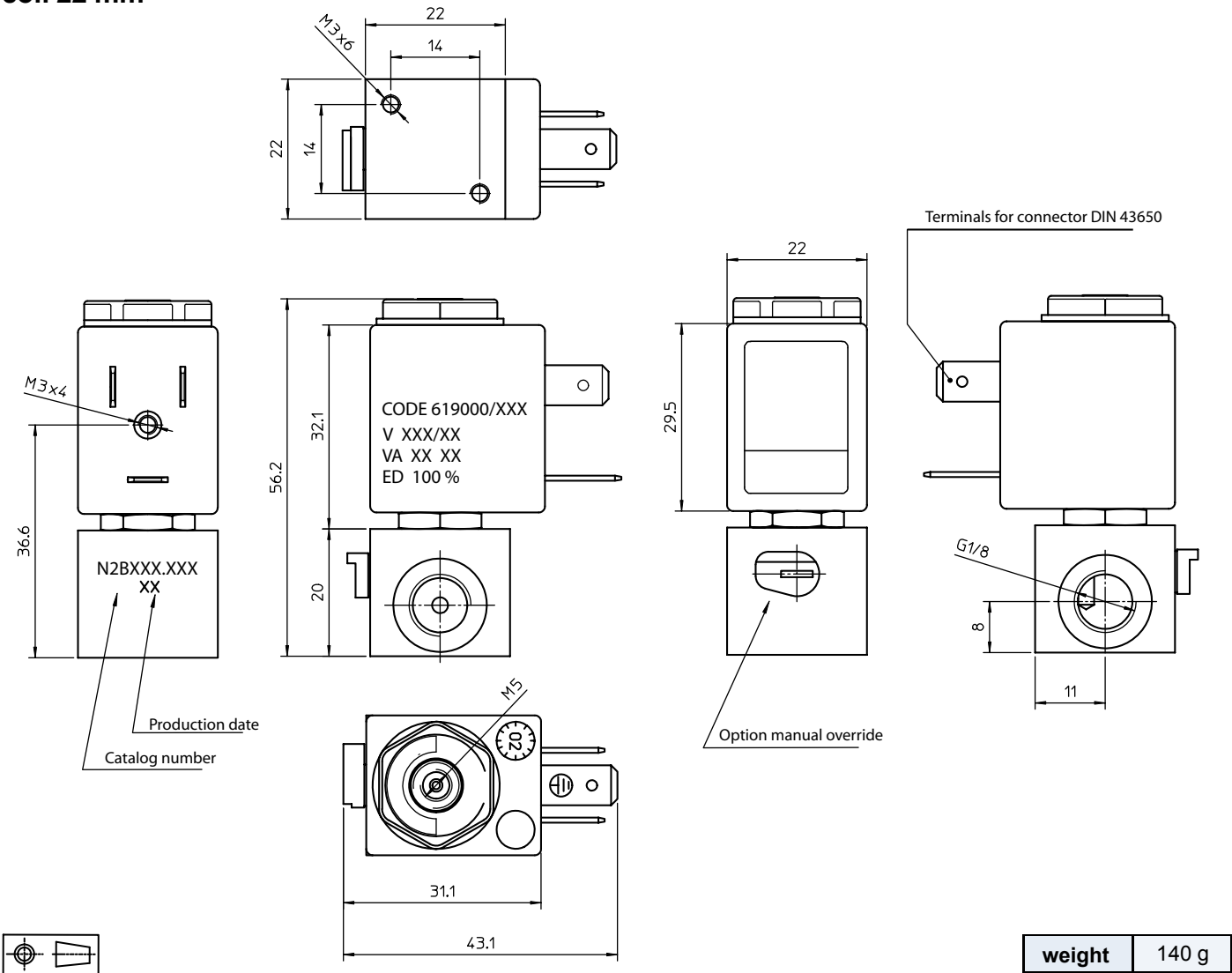
| seals |          |
|-------|----------|
| code  | material |
| B     | NBR      |
| V     | FPM      |
| E     | EPDM     |
| T     | PTFE     |

| manual override |               |
|-----------------|---------------|
| code            | type          |
| 0               | none          |
| 4               | plastic lever |

| coil code                  |
|----------------------------|
| see table B<br>on page 2/2 |

direct operated solenoid valves

coil 22 mm



| coil code                                                                              |           | TABLE B |         |      |
|----------------------------------------------------------------------------------------|-----------|---------|---------|------|
| <div>CODE 619000/XXX</div> <div>V XXX/XX</div> <div>VA XX XX</div> <div>ED 100 %</div> | *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% 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 )          |

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

|             |        |
|-------------|--------|
| <b>code</b> | Z10030 |
|-------------|--------|