

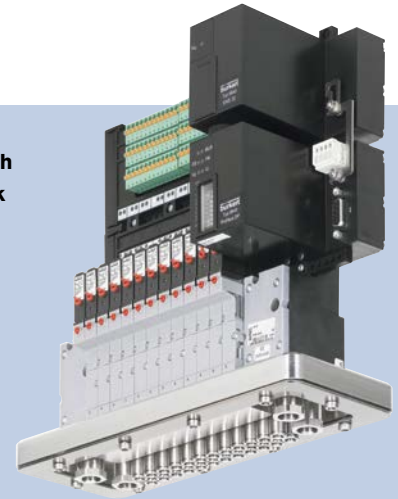
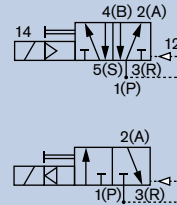
# Modular pneumatic valve unit

8640

## AirLINE and AirLINE Quick

- Compact design
- Modular configuration
- Cost savings in the control cabinet with AirLINE Quick
- Simple exchange of valves

Type 8640 with AirLINE Quick



The versatile operational capability of the valve terminal, Type 8640, in the food and beverage industry will push in extended connections for hygienic applications by AirLINE Quick adapter plate with stainless steel and stainless steel. Installation and commissioning times are reduced to a minimum. For general applications AirLINE Quick is available in aluminum.

### Technical Data

|                             |  |
|-----------------------------|--|
| <b>Body material</b>        | PA (Polyamide)   |
| <b>Seal material</b>        | FKM, NBR   |
| <b>Medium</b>               | Lubricated and non-lubricated dry air; neutral gases (5 µm filter) |
| <b>Manual override</b>      | Yes  |
| <b>Voltage</b>              | 24 V DC  |
| <b>Voltage tolerance</b>    | ±10%   |
| <b>Nominal power</b>        | 1 W per valve  |
| <b>Duty cycle</b>           | Continuous operation (100% ED)                                     |
| <b>QNn</b>                  | 300 l/min  |
| <b>Pilot method</b>         | Flipper pilot valve  |
| <b>Circuit function</b>     | 3/2-way, normally closed, 5/2-way                                  |
| <b>Pressure range</b>       | 2.5–10 bar   |
| <b>Width/station</b>        | 11 mm  |
| <b>Ambient temperature</b>  | 0 °C to +55 °C   |
| <b>Protection class</b>     | 3 acc. to VDE 0580   |
| <b>Type of protection</b>   | IP20 with terminal   |
| <b>Orifice</b>              | 4 mm   |
| <b>Pneumatic connection</b> | 6 mm Push-in   |



Our fieldbus modules (Profinet IO, Profibus DP, Modbus TCP) can be combined under a bus address each with up to 7 RIO slave modules. Valve terminals with Modbus TCP on request.

## Ordering chart

| Valve function                                       | Digital input | Item no.    |             |           |                   |          |
|--|---------------|-------------|-------------|-----------|-------------------|----------|
|  |               | Profinet IO | Profibus DP | RIO Slave | Common connection | Multipin |
| <b>Type 8640 Standard 3/2- and 5/2-way functions</b> |               |             |             |           |                   |          |
| 8 x 3/2  |               | 253 644     | 216 223     | 187 663   | 203 956           | 706 532  |
|  | 8             | 253 651     | 230 792     | 237 091   | -                 | 231 603  |
| 8 x 5/2  |               | 253 767     | 210 182     | 253 242   | 227 951           | 706 854  |
|  | 16            | 253 769     | 224 071     | 253 245   | -                 | 253 244  |
| 8 x 2 x 3/2  |               | 253 679     | 189 667     | 237 096   | 208 382           | 224 404  |
|  | 16            | 253 683     | 237 110     | 237 097   | -                 | 237 073  |
| 12 x 5/2   |               | 253 770     | 710 531     | 253 251   | 189 279           | 708 412  |
|  | 24            | 253 771     | 710 046     | 253 247   | -                 | 207 607  |
| 12 x 2 x 3/2   |               | 253 703     | 208 176     | 218 304   | 235 702           | 182 089  |
|  | 24            | 253 706     | 218 307     | 218 308   | -                 | 173 571  |
| 16 x 3/2   |               | 253 656     | 189 291     | 235 597   | 708 042           | 706 713  |
|  | 16            | 253 666     | 178 229     | 174 333   | -                 | 177 419  |
| 16 x 5/2   |               | 253 773     | 709 711     | 710 317   | 708 751           | 169 891  |
|  | 32            | 253 774     | 234 195     | 253 253   | -                 | 253 254  |
| 24 x 3/2   |               | 253 672     | 710 320     | 710 457   | 202 871           | 169 920  |
|  | 24            | 253 675     | 215 422     | 214 681   | -                 | 707 368  |
| 24 x 5/2   |               | 253 776     | 182 710     | 253 258   | 181 735           | 182 716  |

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| Valve function  | Digital input | Manual/<br>Automatic<br>switch | Item no.    |             |           |                   |          |
|---|---------------|--------------------------------|-------------|-------------|-----------|-------------------|----------|
|   |               |                                | Profinet IO | Profibus DP | RIO Slave | Common connection | Multipin |
| <b>Type 8640 Standard 3/2- and 5/2-way functions including process safety functions, pneumatic HotSwap and check valves</b> |               |                                |             |             |           |                   |          |
| 8 x 3/2   |               |                                | 253 646     | 218 900     | 236 139   | 208 250           | 219 010  |
|   |               | Yes                            | 253 648     | 218 898     | 237 057   | -                 | 237 069  |
|   | 8             |                                | 253 652     | 219 041     | 229 922   | -                 | 237 075  |
|   | 8             | Yes                            | 253 654     | 218 894     | 237 092   | -                 | 219 572  |
| 8 x 5/2   |               |                                | 253 589     | 218 906     | 237 093   | 213 074           | 707 131  |
|   | 8             |                                | 253 595     | 218 902     | 237 094   | -                 | 237 076  |
|   | 16            |                                | 253 599     | 218 904     | 237 095   | -                 | 229 577  |
| 8 x 2 x 3/2   |               |                                | 253 681     | 236 022     | 237 071   | 226 084           | 179 369  |
|   | 16            |                                | 253 684     | 230 105     | 164 850   | -                 | 237 077  |
| 12 x 2 x 3/2  |               |                                | 253 705     | 235 781     | 173 388   | 226 086           | 226 360  |
|   | 24            |                                | 253 708     | 230 102     | 236 014   | -                 | 179 368  |

Ordering chart (Continued)

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| Valve function  | Digital input | Manual/<br>Automatic<br>switch | Profinet IO | Profibus DP | Item no.<br>RIO Slave | Common<br>connection | Multipin |
|---|---------------|--------------------------------|-------------|-------------|-----------------------|----------------------|----------|
| <b>Type 8640 Standard 3/2- and 5/2-way functions including process safety functions, pneumatic HotSwap and check valves</b> |               |                                |             |             |                       |                      |          |
| 16 x 3/2  |               |                                | 253 658     | 219 042     | 236 140               | 219 386              | 217 779  |
|   | 16            |                                | 253 670     | 212 180     | 227 905               | –                    | 237 079  |
|   | 16            | Yes                            | 253 676     | 212 179     | 237 099               | –                    | 237 080  |
|   | 32            |                                | 253 664     | 212 182     | 220 612               | –                    | 237 083  |
|   | 32            | Yes                            | 253 669     | 212 181     | 220 611               | –                    | 237 081  |
| 16 x 5/2  |               |                                | 253 601     | 218 956     | 237 100               | 225 861              | 237 084  |
|   |               | Yes                            | 253 603     | 218 955     | 237 101               | –                    | 237 085  |
|   | 16            |                                | 253 606     | 212 184     | 237 104               | –                    | 237 089  |
|   | 16            | Yes                            | 253 608     | 212 183     | 237 102               | –                    | 237 088  |
|   | 32            |                                | 253 627     | 212 187     | 230 230               | –                    | 229 588  |
|   | 32            | Yes                            | 253 628     | 215 840     | 215 841               | –                    | 237 090  |
| 24 x 3/2  |               |                                | 253 680     | 213 292     | 214 416               | 183 055              | 171 115  |
|   |               | Yes                            | 253 674     | 213 291     | 213 491               | –                    | –        |
|   | 24            |                                | 253 677     | 212 109     | 212 115               | –                    | 707 369  |
|   | 24            | Yes                            | 250 280     | 207 661     | 212 111               | –                    | –        |
| 24 x 5/2  |               |                                | 253 629     | 172 040     | 237 106               | 213 280              | 217 482  |
|   |               | Yes                            | 253 631     | 237 108     | 237 107               | –                    | –        |
|   | 24            |                                | 253 638     | 213 459     | 213 503               | –                    | 707 370  |
|   | 24            | Yes                            | 253 641     | 213 458     | 213 493               | –                    | –        |

| Valve function   | Digital input | AirLINE Quick           | Profinet IO | Profibus DP | Item no.<br>RIO Slave | Common<br>connection | Multipin |
|--|---------------|-------------------------|-------------|-------------|-----------------------|----------------------|----------|
| <b>Type 8640 AirLINE Quick with 3/2- and 5/2-way functions</b> |               |                         |             |             |                       |                      |          |
| 4 x 2 x 3/2  |               | Anodised alu-<br>minium | –           | –           | –                     | 243 003              | 247 995  |
| 8 x 2 x 3/2  |               |                         | 253 359     | 230 189     | 233 843               | 230 292              | 230 619  |
|  | 16            |                         | 253 495     | 230 195     | 233 933               | –                    | 230 543  |
| 12 x 2 x 3/2   |               |                         | 253 539     | 230 196     | 233 953               | 230 295              | 230 616  |
|  | 24            |                         | 253 544     | 230 198     | 236 050               | –                    | 230 620  |
| 16 x 5/2   |               |                         | 253 556     | 247 613     | 247 571               | 247 621              | 247 887  |
|  | 32            |                         | 253 560     | 247 618     | 247 625               | –                    | 247 895  |

Ordering chart (Continued)

| Valve function   | Digital input | AirLINE Quick             | Item no.    |             |           |                   |          |
|--|---------------|---------------------------|-------------|-------------|-----------|-------------------|----------|
|  |               |                           | Profinet IO | Profibus DP | RIO Slave | Common connection | Multipin |
| <b>Type 8640 AirLINE Quick with 3/2- and 5/2-way functions</b> |               |                           |             |             |           |                   |          |
| 4 x 2 x 3/2  |               | Stainless steel<br>1.4301 | –           | –           | –         | 247 986           | 247 997  |
| 8 x 2 x 3/2  |               |                           | 253 360     | 230 183     | 233 886   | 230 290           | 230 617  |
|  | 16            |                           | 253 496     | 230 193     | 233 936   | –                 | 230 542  |
| 12 x 2 x 3/2   |               |                           | 253 540     | 230 197     | 233 954   | 230 293           | 230 615  |
|  | 24            |                           | 253 552     | 230 200     | 236 041   | –                 | 230 622  |
| 16 x 5/2   |               |                           | 253 557     | 247 615     | 247 587   | 247 622           | 247 892  |
|  | 32            | 253 561                   | 246 868     | 247 628     | –         | 247 896           |          |

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| Valve function  | Digital input | AirLINE Quick             | Item no.    |             |           |                   |          |
|---|---------------|---------------------------|-------------|-------------|-----------|-------------------|----------|
|   |               |                           | Profinet IO | Profibus DP | RIO Slave | Common connection | Multipin |
| <b>Type 8640 AirLINE Quick with 3/2- and 5/2-way functions including process safety functions, pneumatic HotSwap and check valves</b> |               |                           |             |             |           |                   |          |
| 4 x 2 x 3/2   |               | Anodised<br>aluminium     | –           | –           | –         | 247 987           | 247 998  |
| 8 x 2 x 3/2   |               |                           | 253 362     | 230 711     | 233 865   | 231 117           | 230 860  |
|   | 16            |                           | 253 535     | 230 712     | 233 935   | –                 | 230 871  |
| 12 x 2 x 3/2  |               |                           | 253 541     | 230 749     | 233 957   | 230 846           | 230 506  |
|   | 24            |                           | 253 553     | 230 876     | 236 047   | –                 | 230 841  |
| 16 x 5/2  |               |                           | 253 558     | 247 616     | 247 603   | 247 624           | 247 893  |
|   | 32            | 253 562                   | 247 619     | 247 629     | –         | 247 899           |          |
| 4 x 2 x 3/2   |               | Stainless steel<br>1.4301 | –           | –           | –         | 247 991           | 248 000  |
| 8 x 2 x 3/2   |               |                           | 253 444     | 230 709     | 233 794   | 231 113           | 230 859  |
|   | 16            |                           | 253 538     | 230 714     | 233 930   | –                 | 230 870  |
| 12 x 2 x 3/2  |               |                           | 253 543     | 230 808     | 233 955   | 230 845           | 230 840  |
|   | 24            |                           | 253 555     | 230 154     | 235 991   | –                 | 230 842  |
| 16 x 5/2  |               |                           | 253 559     | 247 617     | 247 605   | 247 626           | 247 894  |
|   | 32            | 253 563                   | 247 620     | 247 630     | –         | 247 900           |          |