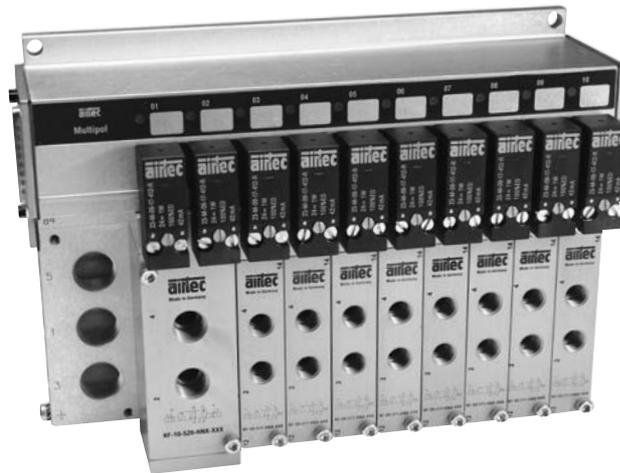


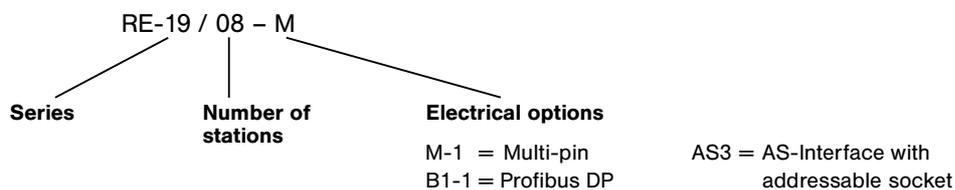
Valve terminal RE-19

with Multi-pin, AS-Interface or Profibus

4 – 24 valve stations, 810 – 2100 NI/min (0.823 – 2.134 Cv)



Order code



Design and function

Manifold system with integrated electrical connection including LED indicators, manual override and built-in circuit protection.

Valves with connection G 1/4 (2100 NI/min / 2.134 Cv) require 2 stations on the manifold.

The above order code covers only the manifold. The multi-pin plug with cable must be ordered separately.

The valve terminal is delivered pre-assembled and function-tested. If not specified with the order, valve configuration is as follows: Valves are mounted according to their order number, starting with high numbers at the side of the multi-pin, ending with low numbers on the opposite side, followed by blind plates (if ordered).

| Technical data | | Multi-pin | AS-Interface | Profibus-DP |
|--|-------------------|--|--|---|
| Number of stations | | 4, 6, 8, 10 ... 22 | 4, 8, 12 und 16 | 6, 8, 10 ... 24 |
| Working pressure range | | 3 ... 8 bar (44 ... 116 psi) | | |
| Temperature range | | - 10 °C ... + 50 °C (+ 14 °F ... + 122 °F) | | 0 °C ... + 50 °C (+ 32 °F ... + 122 °F) |
| Degree of protection | | IP 65 pursuant to EN 60529 with connection cable 28-ST-68-M-... for multi-pin. IP65 for AS Interface requires a correctly installed cable. For Profibus, correctly installed M12 sockets/plugs are required. | | |
| Voltage | | 24 V DC ± 10 % | Bus 18,5 ... 31,6 V DC Power 24 V DC ± 10 % | 24 V DC ± 10 % |
| Power consumption each solenoid | | 1 Watt | | |
| Output signal | | Polarized circuit protection, built-in surge protection | | |
| Status display | LED yellow | Valve solenoid energized | | |
| | LED green | - | Power Voltage | Power Voltage |
| | LED green | - | Bus active | PWR Bus active |
| | LED green | - | - | - |
| | LED red | - | Bus error | ERR Bus error |
| Connector | | 25-pin D-Sub | Bus AS-Interface connector | Bus 9-pin D-SUB (bushing) |
| | | | Power AS-Interface connector | Power plug 4-pin M 12 |

| Technical data | Profibus-DP |
|-----------------------------------|--|
| Address selection | Selection by 2 decimal coded rotary switches |
| Bus termination resistance | Switchable ON - OFF |
| Baud rate | Selectable between 9600 bit/s and 12 Mbit/s |

Addressing for AS Interface: 1 addressable socket per slave IC (max. 4 valves) = 1 address

Valve terminal RE-19

with Multi-pin, AS-Interface or Profibus

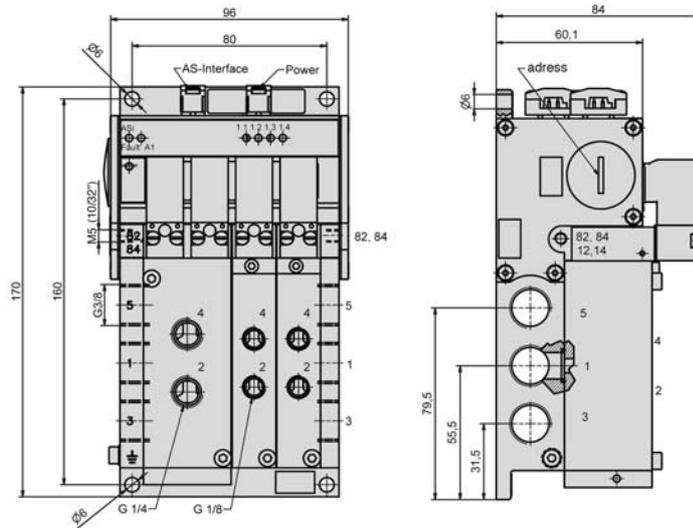
4 – 24 valve stations, 810 – 2100 NI/min (0.823 – 2.134 Cv)



RE-19/04-AS3

- 1 = pressure supply
- 2, 4 = outlets
- 3, 5 = exhausts
- 82, 84 = solenoid exhausts

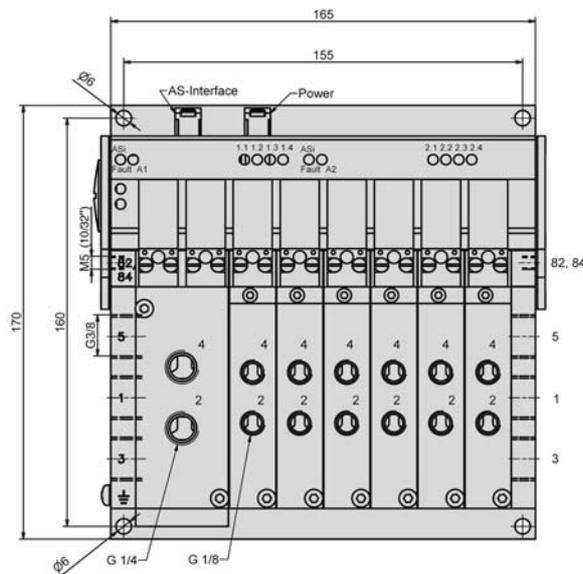
Weight 0.820 kg



RE-19/08-AS3

- 1 = pressure supply
- 2, 4 = outlets
- 3, 5 = exhausts
- 82, 84 = solenoid exhausts

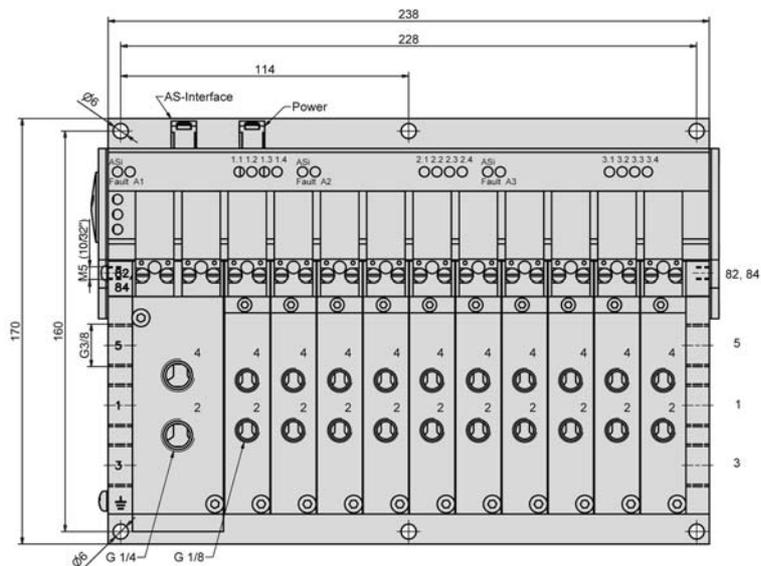
Weight 1.480 kg



RE-19/12-AS3

- 1 = pressure supply
- 2, 4 = outlets
- 3, 5 = exhausts
- 82, 84 = solenoid exhausts

Weight 2.140 kg



Valve terminal RE-19

with Multi-pin, AS-Interface or Profibus

4 – 24 valve stations, 810 – 2100 NI/min (0.823 – 2.134 Cv)



Valves and accessories for series RE-19

Valves



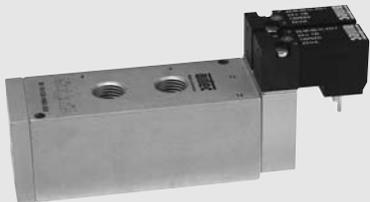
5/2-way single solenoid G1/8
KF-09-510-HNT-442, KF-09-510-HNR-442
KF-09-511-HNT-442, KF-09-511-HNR-442



5/2-way single solenoid G1/4
KF-10-510-HNT-442, KF-10-510-HNR-442
KF-10-511-HNT-442, KF-10-511-HNR-442



5/2-way double solenoid G1/4
KF-10-520-HNT-442
KF-10-520-HNR-442



5/3-way center position closed G1/4
KF-10-530-HNT-442
KF-10-530-HNR-442



5/3-way center position exhausted G1/4
KF-10-533-HNT-442
KF-10-533-HNR-442



5/3-way center position pressurized G1/4
KF-10-534-HNT-442
KF-10-534-HNR-442

Single elements

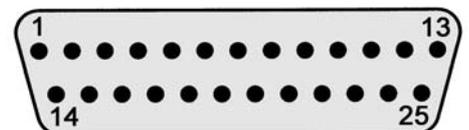
- RE-19-DT** Dividing plate for 2 different pressures
- RE-19-V** Blind plate for valve position
- RE-19-V-E** Blind plate for solenoid position
- RE-19-V-EP** Blind plate for valve and solenoid position
- 28-ST-68-M-105** 25-pin multi-plug with 5 m cable
- 28-ST-68-M-110** 25-pin multi-plug with 10 m cable
- 54-RE-19-A** Operating manual RE-19, AS-Interface
- 54-RE-19-B1** Operating manual RE-19, Profibus-DP
- 54-RE-19-M** Operating manual RE-19, Multi-pin, German
- 54-RE-19-M-GB** Operating manual RE-19, Multi-pin, English
- 54-RE-19-M-F** Operating manual RE-19, Multi-pin, French



RE-99-E-50
 Adapter with NPT thread.
 (Not for use with AS-Interface.)

Pin assignment for connector cable 28-ST-68-M-...

| Pin | Valve | Wire colour | Pin | Valve | Wire colour | Pin | Valve | Wire colour |
|-----|-------|-------------|-----|-------|--------------|-----|-------|-------------|
| 1 | 1 | white | 12 | 12 | red/blue | 23 | GND | white/red |
| 2 | 2 | brown | 13 | 13 | white/green | 24 | GND | brown/red |
| 3 | 3 | green | 14 | 14 | brown/green | 25 | GND | white/black |
| 4 | 4 | yellow | 15 | 15 | white/yellow | | | |
| 5 | 5 | grey | 16 | 16 | yellow/brown | | | |
| 6 | 6 | pink | 17 | 17 | white/grey | | | |
| 7 | 7 | blue | 18 | 18 | grey/brown | | | |
| 8 | 8 | red | 19 | 19 | white/pink | | | |
| 9 | 9 | black | 20 | 20 | pink/brown | | | |
| 10 | 10 | violet | 21 | 21 | white/blue | | | |
| 11 | 11 | grey/pink | 22 | 22 | brown/blue | | | |

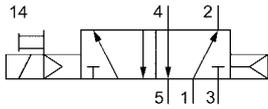


View on valve terminal

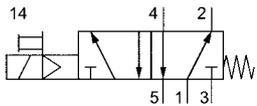
Wiring colour acc. to DIN 47100 (coloured or signed by numbers).

Valves KF-09 and KF-10 for valve terminal RE-19

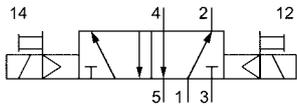
810 – 2100 NI/min (0.823 – 2.134 Cv)



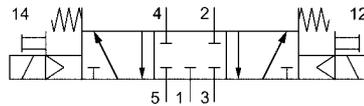
KF-09-510-HNT-442
KF-10-510-HNT-442



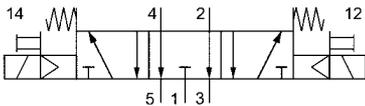
KF-09-511-HNT-442, KF-09-511-HNR-442
KF-10-511-HNT-442, KF-10-511-HNR-442



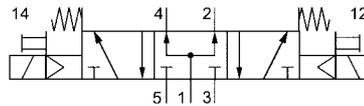
KF-10-520-HNT-442, KF-10-520-HNR-442



KF-10-530-HNT-442, KF-10-530-HNR-442



KF-10-533-HNT-442, KF-10-533-HNR-442



KF-10-534-HNT-442, KF-10-534-HNR-442

Design and function

Spool valve actuated by an electrical signal.

Valves are available either with monostable manual override (order code HNT) or bistable manual override (order code HNR).

Mounting screws are included.

| Order number ¹⁾ | KF-09-510-... | KF-09-511-... | KF-10-510-... | KF-10-511-... | KF-10-520-... | KF-10-530-... | KF-10-533-... | KF-10-534-... |
|-------------------------------|--|--|--|--|----------------------------|--------------------------------------|---|---|
| Function | 5/2-way single solenoid air spring | 5/2-way single solenoid mech. spring | 5/2-way single solenoid air spring | 5/2-way single solenoid mech. spring | 5/2-way double solenoid | 5/3-way center position closed | 5/3-way center position exhausted | 5/3-way center position pressurized |
| Connection | G1/8 at 2 and 4 ²⁾ | | G1/4 at 2 and 4 ²⁾ | | | | | |
| Nominal size | 6 mm | | 9 mm | | | | | |
| Nominal flow | 950 NI/min (0.965 Cv) | 810 NI/min (0.823 Cv) | 2100 NI/min (2.134 Cv) | 1800 NI/min (1.829 Cv) | 2100 NI/min (2.134 Cv) | 1500 NI/min (1.524 Cv) | | |
| Working pressure range | 3 ... 8 bar (44 ... 116 psi) | | 2.5 ... 8 bar (36 ... 116 psi) | | | 3 ... 8 bar (44 ... 116 psi) | | |
| Response time at 6 bar | on 11 ms off 20 ms | on 10 ms off 26 ms | on 13 ms off 26 ms | on 18 ms off 29 ms | 16 ms | on 16 ms off 26 ms | | |
| Medium | Compressed air in accordance with ISO 8573-1:2010, Class 7:2:4 – and free of aggressive additives. | | | | | | | |
| Temperatur range | – 10 °C ... + 50 °C (+ 14 °F ... + 122 °F) | | | | | | | |
| Materials | Body: Al (anodized), Seals: NBR; Inner parts: Al, stainless steel, brass | | | | | | | |
| Operating voltage | 24 V DC ± 10 % | | | | | | | |
| Duty cycle | 100 % | | | | | | | |
| Power consumption | 1 W | | | | | | | |
| Degree of protection | IP 65 according to EN 60529, when assembled on RE-19 | | | | | | | |
| Weight | 0.20 kg (0.44 lb.) | | 0.37 kg (0.82 lb.) | | 0.43 kg (0.95 lb.) | | | |

¹⁾ Please specify complete according to the order codes (see below circuit symbols).

²⁾ Flange at ports 1, 3, 5