This flangeable valve can be mounted on top of the monoblock after removing the T line plugs; it has different configurations such as anti-shock, anti-cavitation or antishock/cavitation.
The are three mounting options, single valve on A or on B for single effect operation or valves on $A$ and $B$ for double effect operation. The manifold is made in aluminium with anodization surface treatment or on request in steel with zinc plating treatment.

## TECHNICAL DATA

| Max pressure | $210 / 320 \mathrm{bar}(3000 / 4600 \mathrm{psi})$ |
| :--- | :--- |
| Rated flow | $60 \mathrm{I} / \mathrm{min}(16 \mathrm{gpm})$ |
| Hydraulic fluid | Mineral oil DIN 51524 |
| Fluid viscosity | $10-500 \mathrm{~mm}^{2} / \mathrm{s}\left(0,02-0,78 \mathrm{in}^{2} / \mathrm{s}\right)$ |
| Fluid temperature | $-25^{\circ} \mathrm{C} / 75^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 167^{\circ} \mathrm{F}\right)$ |
| Enviroment temperature | $-25^{\circ} \mathrm{C} / 60^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 140^{\circ} \mathrm{F}\right)$ |
| Weight | $0,4 \mathrm{~kg} \mathrm{(0,88lb)}$ |

## PRESSURE DROP



ORDERING DETAILS: SEPARATE ELEMENTS
MA* *-060-*NFD-**-***-N ${ }^{* * *}$


| $*$ | SETTINGS RANGE |
| :---: | :---: |
| $\ldots$ | $10-310$ bar |
| ../.. | For differenceA e B setting sign it |

## QUICK CODE

| QUICK CODE |  |
| :---: | :---: |
| DESCRIPTION | CODE |
|  |  |
|  |  |

## OVERALL DIMENSIONS




HYDRAULIC SCHEME


ORDERING DETAILS: SEPARATE ELEMENTS


This flangeable valve can be mounted on top of the monoblock.
The are three mounting options, single valve on A or on B for single effect operation or valves on A and B for double effect operation. The manifold is made in aluminium with anodization surface treatment or on request in steel with zinc plating treatment.

## TECHNICAL DATA

| Max pressure | $210 / 320 \mathrm{bar}(3000 / 4600 \mathrm{psi})$ |
| :--- | :--- |
| Rated flow | $60 \mathrm{I} / \mathrm{min}(16 \mathrm{gpm})$ |
| Hydraulic fluid | Mineral oil DIN 51524 |
| Fluid viscosity | $10-500 \mathrm{~mm}^{2} / \mathrm{s}$ |
| Fluid temperature | $-25^{\circ} \mathrm{C} / 75^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 167^{\circ} \mathrm{F}\right)$ |
| Enviroment temperature | $-25^{\circ} \mathrm{C} / 60^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 140^{\circ} \mathrm{F}\right)$ |
| Weight | $0,4 \mathrm{~kg}(0,88 \mathrm{lb})$ |

## PRESSURE DROP



OVERALL DIMENSIONS



HYDRAULIC SCHEME

A1


ORDERING DETAILS: SEPARATE ELEMENTS
MC**-060-*NFD-06-***-N

| $*$ | VALVE TYPE |
| :---: | :--- |
| $\mathbf{S}$ | Single effect |
| $\mathbf{D}$ | Double effect |



| $* * *$ | PORTS |  |  |
| :---: | :--- | :--- | :---: |
|  | A line | B line | M |
| G38 | G 3/8" | G 3/8" | $/$ |
| U09 | $9 / 16^{\prime \prime}-18$ UNF | $9 / 16^{\prime \prime}-18$ UNF | $/$ |


| QUICK CODE |  |
| :---: | :---: |
| DESCRIPTION | CODE |
| MCDN-060-ZNFD-06-G38-N210 | MC000173 |
| MCSA-060-ZNFD-06-G38-N210 | MC000185 |

This flangeable valve can be mounted on top of the monoblock keeping the T line plugs.
The valve consist in two pilot operated check piloted by the opposite line and is poppet type.
The manifold is made in aluminium with anodization surface treatment or on request in steel with zinc plating treatment.

TECHNICAL DATA

| Max pressure | $210 / 320 \mathrm{bar}(3000 / 4600 \mathrm{psi})$ |
| :--- | :--- |
| Rated flow | $60 \mathrm{I} / \mathrm{min}(16 \mathrm{gpm})$ |
| Pilot ratio | $6: 1$ |
| Hydraulic fluid | Mineral oil DIN 51524 |
| Fluid viscosity | $10-500 \mathrm{~mm}^{2} / \mathrm{s}\left(0,02-0,78 \mathrm{in}^{2} / \mathrm{s}\right)$ |
| Fluid temperature | $-25^{\circ} \mathrm{C} / 75^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 167^{\circ} \mathrm{F}\right)$ |
| Enviroment temperature | $-25^{\circ} \mathrm{C} / 60^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 140^{\circ} \mathrm{F}\right)$ |
| Weight | $0,9 \mathrm{~kg} \mathrm{(1,9lb)}$ |



## OVERALL DIMENSIONS




## HYDRAULIC SCHEME



ORDERING DETAILS: SEPARATE ELEMENTS


This modular block is made with overcenter valves to control the load on A and B port. The valves are poppet type with a pilot ratio of $4: 1$, other pilot ratios are available on request. The standard configuration provides valves on both lines, it is possible to order also valves on only one side.
The manifold is made in aluminium with anodization surface treatment or on request in steel with zinc plating treatment.

TECHNICAL DATA

| Max pressure | $210 / 320 \mathrm{bar}(3000 / 4600 \mathrm{psi})$ |
| :--- | :--- |
| Rated flow | $60 \mathrm{I} / \mathrm{min}(16 \mathrm{gpm})$ |
| Pilot ratio | $4: 1$ |
| Hydraulic fluid | Mineral oil DIN 51524 |
| Fluid viscosity | $10-500 \mathrm{~mm}^{2} / \mathrm{s}(0,02-0,78 \mathrm{in} 2 \mathrm{~s})$ |
| Fluid temperature | $-25^{\circ} \mathrm{C} / 75^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 167^{\circ} \mathrm{F}\right)$ |
| Enviroment temperature | $-25^{\circ} \mathrm{C} / 60^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 140^{\circ} \mathrm{F}\right)$ |
| Weight | $1,4 \mathrm{~kg}(3,08 \mathrm{lb})$ |

PRESSURE DROP


OVERALL DIMENSIONS

| $\boldsymbol{*}$ | VALVE TYPE |
| :---: | :--- |
| $\boldsymbol{S}$ | Single effect |
| $\mathbf{D}$ | Double effect |
| $\boldsymbol{*}^{\boldsymbol{*}}$ | VALVE OPTION |
| $\mathbf{N}$ | Check valve on A e B ports |
| $\mathbf{A}$ | Check valve only A port |
| $\mathbf{B}$ | Check valve only B port |
| $\boldsymbol{*}$ | MATERIAL TYPE |
| $\mathbf{A}$ |  |



| QUICK CODE |  |
| :--- | :---: |
| DESCRIPTION |  |
| MBDN-060-ZNFD-04-G38-N210 | CODE |
| MBSA-060-ZNFD-04-G38-N210 | MB0008774 |

Fluid Tech


HYDRAULIC SCHEME

B1


## ORDERING DETAILS: SEPARATE ELEMENTS


 restrictor not compensated to adjust the speed of the application; it is available in three configurations, with valves on A line, on B line(single effect) or A and B line (double effect) The manifold is made in aluminium with anodization surface treatment or on request in steel with zinc plating treatment.

TECHNICAL DATA

| Max pressure | $210 / 320 \mathrm{bar}(3000 / 4600 \mathrm{psi})$ |
| :--- | :--- |
| Rated flow | $60 \mathrm{I} / \mathrm{min}(16 \mathrm{gpm})$ |
| Hydraulic fluid | Mineral oil DIN 51524 |
| Fluid viscosity | $10-500 \mathrm{~mm}^{2} / \mathrm{s}\left(0,02-0,78 \mathrm{in}^{2} / \mathrm{s}\right)$ |
| Fluid temperature | $-25^{\circ} \mathrm{C} / 75^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 167^{\circ} \mathrm{F}\right)$ |
| Enviroment temperature | $-25^{\circ} \mathrm{C} / 60^{\circ} \mathrm{C}\left(-13^{\circ} \mathrm{F} / 140^{\circ} \mathrm{F}\right)$ |
| Weight | $0,8 \mathrm{~kg}(1,8 \mathrm{lb})$ |

## PRESSURE DROP




ORDERING DETAILS: SEPARATE ELEMENTS

## OVERALL DIMENSIONS




## COIL TYPE

Coils are available with three different connections type, special voltage are available on request, please contact AFT sales network.
(1) Ambient temperature $25^{\circ} \mathrm{C}\left(77^{\circ} \mathrm{F}\right)$
(2) Ambient temperature $20^{\circ} \mathrm{C}\left(68^{\circ} \mathrm{F}\right)$

## DIN 43650 (HR)

| Coils |  | Max winding <br> temperature <br> $(1)$ | Nominal <br> potency | Resistence <br> $( \pm 7 \%)(2)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage | $135^{\circ} \mathrm{C}$ <br> A | 12 V DC | 20 W | 7.2 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 20 W | 28.8 | AB 00000002 |
| C | 48 V DC | $135^{\circ} \mathrm{C}$ | 20 W | 115.2 | AB 000046 |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 20 W | 605 | AB 000012 |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 20 W | 2420 | AB 000007 |

## DEUTSCH (DTV)

| Coils |  | Max winding <br> temperature <br> $(1)$ | Nominal <br> potency | Resistence <br> $( \pm 7 \%)(2)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage | $135^{\circ} \mathrm{C}$ <br> A | 12 V DC | 20 W | 7.2 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 2000022 |  |  |
| C | 48 W | 28.8 | ABC 000023 |  |  |
| D | 110 R AC | $135^{\circ} \mathrm{C}$ | 20 W | 115.2 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 20 W | 605 |  |

## AMP JUNIOR (AJ)

| Coils |  | Max winding <br> temperature | Nominal <br> potency | Resistence <br> $( \pm 7 \%)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage |  |  |  |  |
| A | 12 V DC | $135^{\circ} \mathrm{C}$ | 20 W | 7.2 | AB 000005 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 20 W | 28.8 | AB 000014 |
| C | 48 V DC | $135^{\circ} \mathrm{C}$ | 20 W | 115.2 | AB 000021 |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 20 W | 605 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 20 W | 2420 |  |

The coils have the magnetic circuit coated with black thermoplastic material. All metal parts are protected against oxidation according to RoHS directive. For proper insulation it is required to install the proper seals supplied with the tubes.

## TECHNICAL DATA

| Protection type | IP 65 with all seal |
| :--- | :--- |
| Protection type | IP 69 K with all seal only DT |
| Alimentation tolerance | $+10 \%$ |
| Ambient temperature | $-20^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}\left(-4 /+122^{\circ} \mathrm{F}\right)$ |
| Duty cycle | $100 \% \mathrm{ED}\left(\operatorname{max~} 40^{\circ} \mathrm{C}\right.$ ambient $)$ <br> $\left(\max 104^{\circ} \mathrm{Fambient}\right)$ |
| Isolation class | $\mathrm{Class} \mathrm{H}\left(\operatorname{max~} 180^{\circ} \mathrm{C}\right)\left(\max 356^{\circ} \mathrm{F}\right)$ |
| Weight | $0,2 \mathrm{~kg}(0,44 \mathrm{lb})$ |

## OVERALL DIMENSIONS




## COILS TYPE

Coils are available with three different connections type, special voltage are available on request, please contact AFT sales network
(1) Ambient temperature $25^{\circ} \mathrm{C}\left(77^{\circ} \mathrm{F}\right)$
(2) Ambient temperature $20^{\circ} \mathrm{C}\left(68^{\circ} \mathrm{F}\right)$

DIN 43650 (HR)

| Coils |  | Max winding <br> temperature <br> $(1)$ | Nominal <br> potency | Resistence <br> $( \pm 7 \%)(2)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage | $135^{\circ} \mathrm{C}$ | 26 W | 5.54 | AB000143 |
| A | 12 V DC | $135^{\circ} \mathrm{C}$ | 26 W | 22.15 | AB0000144 |
| B | 24 V DC | $155^{\circ} \mathrm{C}$ | 26 W | 88.6 |  |
| C | 48 V DC | $135^{\circ}$ | 26 W | 465.4 |  |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 26 W | 1861.5 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 26 W |  |  |

DEUTSCH (DTV)

| Coils |  | Max winding <br> temperature <br> $(1)$ | Nominal <br> potency | Resistence <br> $( \pm 7 \%)(2)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage | $135^{\circ} \mathrm{C}$ | 26 W | 5.54 | AB 000132 |
| A | 12 V DC | $135^{\circ} \mathrm{C}$ | 26 W | 22.15 | AB 000133 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 26 W | 88.6 |  |
| C | 48 V DC | $10^{\circ}$ | 26 W | 465.4 |  |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 26 W | 1861.5 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 26 W |  |  |

## AMP JUNIOR (AJ)

| Coils |  | Max winding <br> temperature | Nominal <br> potency | Resistence <br> $( \pm 7 \%)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage |  | 26 W | 5.54 | AB 000136 |
| A | 12 V DC | $135^{\circ} \mathrm{C}$ | 26 W | 22.15 | AB 000181 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 26 W |  |  |
| C | 48 V DC | $135^{\circ} \mathrm{C}$ | 26 W | 88.6 | AB 000131 |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 26 W | 465.4 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 26 W | 1861.5 |  |

The coils have the magnetic circuit coated with black thermoplastic material. All metal parts are protected against oxidation according to RoHS directive. For proper insulation it is required to install the proper seals supplied with the tubes.

## TECHNICAL DATA

| Protection type | IP 65 with all seal |
| :--- | :--- |
| Protection type | IP 69 K with all seal only DT |
| Activation | $18000 / \mathrm{h}$ |
| Alimentation tolerance | $+10 \%$ |
| Ambient temperature | $-20^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}\left(-4 /+122^{\circ} \mathrm{F}\right)$ |
| Duty cycle | $100 \% \mathrm{ED}\left(\max 40^{\circ} \mathrm{C}\right.$ ambient $)$ <br> $\left(\max 104^{\circ} \mathrm{F}\right.$ ambient $)$ |
| Isolation class | $\mathrm{Class} \mathrm{H}\left(\operatorname{max~} 180^{\circ} \mathrm{C}\right)\left(\max 356^{\circ} \mathrm{F}\right)$ |
| Weight | $0,20 \mathrm{~kg}(0,44 \mathrm{lb})$ |

## OVERALL DIMENSIONS






Dimensions: mm [inches]


COILS TYPE

Coils are available with three different connections type, special voltage are available on request, please contac $\dagger$ AFT sales network.
(1) Ambient temperature $25^{\circ} \mathrm{C}$ (77 $\left.{ }^{\circ} \mathrm{F}\right)$
(2) Ambient temperature $20^{\circ} \mathrm{C}\left(68^{\circ} \mathrm{F}\right)$

## HIRSCHMANN (HR)

| Coils |  | Max winding <br> temperature <br> $(1)$ | Nominal <br> potency | Resistence <br> $( \pm 7 \%)(2)$ | Code <br> parts |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Code | Voltage | $135^{\circ} \mathrm{C}$ <br> A 12 V DC | 33 W | 4.36 | AB 000015 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 33 W | 17.5 | AB 000029 |
| C | 48 V DC | $135^{\circ} \mathrm{C}$ | 33 W | 69.8 | AB 000158 |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 33 W | 366.7 | AB 000092 |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 33 W | 1466.7 |  |

## DEUTSCH (DTV)

| Coils |  | Max winding <br> temperature <br> $(1)$ | Nominal <br> potency | Resistence <br> $( \pm 7 \%)(2)$ | Code <br> parts |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Code | Voltage | $135^{\circ} \mathrm{C}$ | 33 W | 4.36 | AB000104 |
| A | 12 V DC | $135^{\circ} \mathrm{C}$ | 33 W | 17.5 | AB 000105 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 33 W | 69.8 |  |
| C | 48 V DC | $120^{\circ} \mathrm{C}$ | 33 W | 366.7 |  |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 33 W | 1466.7 |  |
| E | 220 R AC | 126 |  |  |  |

## AMP JUNIOR (AJ)

| Coils |  | Max winding <br> temperature | Nominal <br> potency | Resistence <br> $( \pm 7 \%)$ | Code <br> parts |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Code | Voltage |  |  |  |  |
| A | 12 V DC | $135^{\circ} \mathrm{C}$ | 33 W | 4.36 | AB 000048 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 33 W | 17.5 | AB 000224 |
| C | 48 V DC | $135^{\circ} \mathrm{C}$ | 33 W | 69.8 |  |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 33 W | 366.7 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 33 W | 1466.7 |  |

The coils have the magnetic circuit coated with black thermoplastic material. All metal parts are protected against oxidation according to RoHS directive.
For proper insulation it is required to install the proper seals supplied with the tubes.

## TECHNICAL DATA

| Protection type | IP 65 with all seal |
| :--- | :--- |
| Protection type | IP 69 K with all seal only DT |
| Alimentation tolerance | $+10 \%$ |
| Ambient temperature | $-20^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}\left(-4 /+122^{\circ} \mathrm{F}\right)$ |
| Duty cycle | $100 \% \mathrm{ED}\left(\operatorname{max~} 40^{\circ} \mathrm{C}\right.$ ambient $)$ <br> $\left(\operatorname{max~} 104^{\circ} \mathrm{Fambient}\right)$ |
| Isolation class | $\mathrm{Class} \mathrm{H}\left(\operatorname{max~} 180^{\circ} \mathrm{C}\right)\left(\max 356^{\circ} \mathrm{F}\right)$ |
| Weight | $0,380 \mathrm{~kg}(0,84 \mathrm{lb})$ |

## OVERALL DIMENSIONS








## COILS TYPE

Coils are available with three different connections type, special voltage are available on request, please contact AFT sales network.
(1) Ambient temperature $25^{\circ} \mathrm{C}\left(77^{\circ} \mathrm{F}\right)$
(2) Ambient temperature $20^{\circ} \mathrm{C}\left(68^{\circ} \mathrm{F}\right)$

## HIRSCHMANN (HR)

| Coils |  | Max winding <br> temperature <br> $(1)$ | Nominal <br> potency | Resistence <br> $( \pm 7 \%)(2)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage | $135^{\circ} \mathrm{C}$ <br> A | 12 V DC | 23 W | 6.3 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 23 W | 25 | AB 000137 |
| C | 48 V DC | $135^{\circ} \mathrm{C}$ | 23 W | 100.2 |  |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 23 W | 526 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 23 W | 2104.3 |  |

## DEUTSCH (DTV)

| Coils |  | Max winding <br> temperature <br> $(1)$ | Nominal <br> potency | Resistence <br> $( \pm 7 \%)(2)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage | $135^{\circ} \mathrm{C}$ <br> A | 12 V DC | 23 W | 6.3 |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 23 W | 25 | AB 00014142 |
| C | 48 V DC | $135^{\circ} \mathrm{C}$ | 23 W | 100.2 |  |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 23 W | 526 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 23 W | 2104.3 |  |

## AMP JUNIOR (AJ)

| Coils |  | Max winding <br> temperature | Nominal <br> potency | Resistence <br> $( \pm 7 \%)$ | Code <br> parts |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Code | Voltage |  | 23 W | 6.3 | AB 000139 |
| A | 12 V DC | $135^{\circ} \mathrm{C}$ | 23 | AB 000140 |  |
| B | 24 V DC | $135^{\circ} \mathrm{C}$ | 23 W | 25 | 23 W |
| C | 48 V DC | $135^{\circ} \mathrm{C}$ | 100.2 |  |  |
| D | 110 R AC | $120^{\circ} \mathrm{C}$ | 23 W | 526 |  |
| E | 220 R AC | $120^{\circ} \mathrm{C}$ | 23 W | 2104.3 |  |

The coils have the magnetic circuit coated with black thermoplastic material. All metal parts are protected against oxidation according to RoHS directive.
For proper insulation it is required to install the proper seals supplied with the tubes.

| TECHNICAL DATA |  |
| :---: | :---: |
| Protection type | IP 65 with all seal |
| Protection type | IP 69K with all seal only DT |
| Alimentation tolerance | +10\% |
| Ambient temperature | $-20^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}\left(-4 /+122^{\circ} \mathrm{F}\right)$ |
| Duty cycle | $100 \%$ ED (max $40^{\circ} \mathrm{C}$ ambient) (max $104^{\circ} \mathrm{F}$ ambient) |
| Isolation class | Class H (max $\left.180^{\circ} \mathrm{C}\right)\left(\max 356^{\circ} \mathrm{F}\right)$ |
| Weight | $0,360 \mathrm{~kg}(0,8 \mathrm{lb})$ |

## OVERALL DIMENSIONS



Dimensions: mm [inches]


ELECTRIC SCHEME


Standard circuit


Circuit with VDR


Circuit with rectifier and VDR

## ORDERING DETAILS: SEPARATE ELEMENTS

| Quick code | Colour | VDR | LED | Rectifier | Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PV000171 | Black | No | No | No | 12 V to 230 V |
| PV000195 | Black | Yes | No | No | 12 Vdc |
| PV000349 | Black | Yes | No | No | 24 V dc |
| PV000198 | Trasparent | Yes | Yes | No | 12 Vdc |
| PV000196 | Trasparent | Yes | Yes | No | 24 V dc |
| PV000347 | Black | Yes | No | Yes | 12V RAC |
| PV000348 | Black | Yes | No | Yes | 24 V RAC |
|  | Black | Yes | No | Yes | 110 V RAC |
|  | Black | Yes | No | Yes | 220 V RAC |
|  | Trasparent | Yes | Yes | Yes | 110 V RAC |
|  | Trasparent | Yes | Yes | Yes | 220 V RAC |

NB: To have full performance and to guarantee the IP 65 level of protection, it is essential to assemble connectors with the supplied seals and with screw properly installed.

Connector for solenoid valve according to standards DIN 43650 / ISO 4400, different types of circuits are available, standard circuit, circuit with "VDR", circuit with "VDR+ rectifier" or circuit with LED

## TECHNICAL DATA

| Voltage rating | AC/DC: up to $250 / 300 \mathrm{~V}$ max |
| :--- | :--- |
| Max current | 16.0 A |
| Contact resistence | $\leq 4 \mathrm{~m} \Omega$ |
| Max conductor | $1.5 \mathrm{~mm}^{2}(1,6 \mathrm{fb} 2)$ |
| Cable range | $\varnothing 4.0$ to $\varnothing 9.0 \mathrm{~mm}(\varnothing 0,15$ to $\varnothing 0,35 \mathrm{fb})$ |
| Protection class | IP 67 EN 60529 |
| Seal | Nitrile rubber |
| Poles | 2 plus ground |
| Connector | EN $175301-803$ (DIN 43650) |

## OVERALL DIMENSIONS




## ORDER CODE

|  | QUICK CODE OR DESCRIPTION | COIL QUICK CODE OR DESCRIPTION |
| :---: | :--- | :--- |
| MNET SECTION |  |  |
| SPOOL SECTION 1 |  |  |
| FLANGEABLE VALVE SECTION 1 |  |  |
| SPOOL SECTION 2 |  |  |
| FLANGEABLE VALVE SECTION 2 |  |  |
| SPOOL SECTION 3 |  |  |
| FLANGEABLE VALVE SECTION 3 |  |  |
| SPOOL SECTION 4 |  |  |
| FLANGEABLE VALVE SECTION 4 |  |  |
| SPOOL SECTION 5 |  |  |
| FLANGEABLE VALVE SECTION 5 |  |  |
| SPOOL SECTION 6 |  |  |
| FLANGEABLE VALVE SECTION 6 |  |  |
| SPOOL SECTION 7 |  |  |
| FLANGEABLE VALVE SECTION 7 |  |  |
| SPOOL SECTION 8 |  |  |
| FLANGEABLE VALVE SECTION 8 |  |  |
| COILS |  |  |
| OPTIONS |  |  |
| OPTIONS |  |  |

