## DESCRIPTION

The direct acting solenoid valves series "UM" are produced in conformity with the Directives EC 89/336, EC 92/31, EC 93/68, EC 73/23 in the $3 / 2$ N.O. and $3 / 2$ N.C. pneumatic functions. They are used as power valves if mounted on single and multi-station base, or as control valves if mounted, in the $3 / 2$ pneumatic function, on body valve series "MEV" (see from page 2.16) and "MEK" (see from page 2.32).
The multi-station bases support both the $3 / 2$ N.O. than the $3 / 2$ N.C. solenoid valves. The wrapping could be rotated of $180^{\circ}$ to have an opposite electric connection respect the manual override.

## TECHNICAL DATA

| Operatin pressure | $0 \div 7$ bar N.O. |
| :--- | :--- |
|  | $0 \div 10$ bar N.C. |
| Working temperature | $-5^{\circ} \div+50^{\circ} \mathrm{C}$ |
| Fluid | Filtered, unlubricated or continuous lubricated compressed air |
| Nominal diameter | 1.1 mm N.C. - N.O. |
| Max. operating frequency | $\leq 13 \mathrm{~Hz}$ |
| Coil | Integrated in the body |
| Voltages | DC: $12-24 \mathrm{~V}$ |
|  | AC: $24-110-220 \mathrm{~V}$ |
| Power consumption | DC: 2.3 W |
|  | AC: 2.8 VA (inrush) - 2.5 VA (holding) |
| Voltage tolerance | $-5 \%+10 \%$ |
| Protection class | IP 65 with connector MEK 192/N with VDR |
| Solenoid rating | F (155 $\left.{ }^{\circ} \mathrm{C}\right)$ |
| Electric connector | MEK192/N - see chapter Connectors on page 2.15 |

## MATERIALS

| Core | Stainless steel AISI 430F |
| :--- | :--- |
| Body and manual overide | Polyester thermoplastic |
| Springs | Stainless steel AISI 302 |
| Seals | NBR rubber |



## FLOW CHART - UM



Operating pressure (bar)

## 3 PORT WITH INTERFACE

| Symbol | Function | Controls |  | Response time at 6 bar (ms) |  | Flow rate ( $\mathrm{N} / \mathrm{min}$ ) at 6 bar $\Delta P=1$ bar | Manual override | Weight (g) | TYPE* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pilot | Return | Pilot | Return |  |  |  |  |
|  | 3/2 N.O. | Solenoid | Mechanical spring | 17 | 20 | 26 | Monostable push botton | 40 | UMASV/ |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 13 | 23 | 30 | Monostable push botton | 40 | UMCSV/ |

* SPECIFY THE VOLTAGE IN THE ORDER E.G.: UMCSV/02400
$02400=24 \mathrm{~V}$ DC $02450-60=24 \mathrm{~V} \mathrm{AC}$
$11050-60=110 \mathrm{~V}$ AC
$22050-60=220$ V AC


## UMASV - UMCSV



## SINGLE BASE M5 - UMP5/1



## series

## MULTI-STATION BASE M5 - UMPM5



MULTI-STATION BASE WITH CARTRIDGE Ø 4 mm - UMP4-2


| Noof stations | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LA | 39 | 55 | 71 | 87 | 103 | 119 | 135 | 151 | 167 |
| LB | 47 | 63 | 79 | 95 | 111 | 127 | 143 | 159 | 175 |
| Weight $(g)$ | 70 | 95 | 120 | 145 | 170 | 195 | 220 | 245 | 270 |
| TYPE | UMPM5/2 | UMPM5/3 | UMPM5/4 | UMPM5/5 | UMPM5/6 | UMPM5/7 | UMPM5/8 | UMPM5/9 | UMPM5/10 |
| Weight (g) | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 |
| TYPE | UMP4-2/2 | UMP4-2/3 | UMP4-2/4 | UMP4-2/5 | UMP4-2/6 | UMP4-2/7 | UMP4-2/8 | UMP4-2/9 | UMP4-2/10 |

REVERSAL PLATE - KIT/PC/UM


## DESCRIPTION

The direct acting solenoid valves series "UL" are produced in conformity with the Directives EC $89 / 336$, EC $92 / 31$, EC $93 / 68$, EC $73 / 23$ in the $3 / 2$ N.O. (with feed from the exhaust " 3 ") and $3 / 2$ N.C. pneumatic functions. The function $2 / 2$ is obtainable closing exhaust " 3 ". Besides are available the versions with ports G $1 / 8$, suitable for single use, and with interface for multi-station base mounting or for mounting on poppet and to ex CETOP RP 32 P (with fixed position) valve bodies.

## TECHNICAL DATA

| Operating pressure | $0 \div 10 \mathrm{bar}$ |
| :--- | :--- |
| Working temperature | $0 \div+50{ }^{\circ} \mathrm{C}\left(-20{ }^{\circ} \mathrm{C}\right.$ with dry air) |
| Fluid | Filtered, unlubricated or continuous lubricated compressed air |
| Nominal diameter | 2 mm |
| Max. operating frequency | $\leq 13 \mathrm{~Hz}$ |
| Coil | Intergrated in the body |
| Voltages | DC: 24 V |
|  | AC: $24-110-220 \mathrm{~V}$ |
| Apparent power | DC: 7 W |
|  | AC: 17 VA (inrush) - 10 VA (holding) |
| Voltage tolerance | $-15 \%+15 \%$ |
| Protection class | IP 65 |
| Insulation class | F |
| Solenoid rating | ED $100 \%$ |
| Electric connector | ULR1B - see chapter Connectors on page 2.15 |

## MATERIALS

| Core | IMRE |
| :--- | :--- |
| Body ported G 1/8 | Zamak |
| Body with interface | Glass stiffened polyamide (zamak upon request) |
| Springs | Stainless steel |
| Seals | Viton |
| Manual override | Acetal resin |



## FLOW CHART - UL



Operating pressure (bar)

3 PORT G $1 / 8$ SIDE 32 mm

| Symbol | Function | Controls |  | Response time at 6 bar (ms) |  | Flow rate at 6 bar $\Delta P=1 \operatorname{bar}(N / / m i n)$ | Manual override | Weight (g) | TYPE* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pilot | Return | Pilot | Return |  |  |  |  |
|  | 3/2 N.O.** | Solenoid | Mechanical spring | 15 | 20 | 80 | - | 240 | ULARG/R |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 15 | 20 | 80 | - | 240 | ULCRG/R |
|  | 3/2 N.O.** | Solenoid | Mechanical spring | 15 | 20 | 80 | Manual bistable | 240 | ULARV/R |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 15 | 20 | 80 | Manual bistable | 240 | ULCRV/R |

* SPECIFY THE VOLTAGE IN THE ORDER
E.G.: ULARG/R02450-60
** For version N.O. arrange the connections as indicated:

[^0]
## series

## 3 PORT G 1/8

## 2



3 PORT WITH INTERFACE FOR MULTI-STATION BASES AND POPPET / ex CETOP VALVES (WITH FIXED POSITION)

| Symbol | Function | Controls |  | Response time at 6 bar (ms) |  | $\begin{gathered} \text { Flow rate } \\ \text { at } 6 \text { bar } \\ \Delta \mathrm{P}=1 \mathrm{bar}(\mathrm{~N} / \mathrm{min}) \end{gathered}$ | Manual override | Weight <br> (g) | TYPE* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pilot | Return | Pilot | Return |  |  |  |  |
|  | 3/2 N.O. | Solenoid | Mechanical spring | 15 | 20 | 80 | - | 200 | ULASG/R |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 15 | 20 | 80 | - | 200 | ULCSG/R |
| $\left.\cos _{1}^{10}\right\|_{-3} ^{2} \prod_{1}^{2}$ | 3/2 N.O. | Solenoid | Mechanical spring | 15 | 20 | 80 | Manual bistable | 200 | ULASV/R |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 15 | 20 | 80 | Manual bistable | 200 | ULCSV/R |

* SPECIFY THE VOLTAGE IN THE ORDER $02400=24 \mathrm{~V}$ DC $\quad 11050-60=110 \mathrm{~V}$ AC E.G.: ULARG/R02450-60
$02450-60=24 \mathrm{VAC} 22050-60=220 \mathrm{~V} \mathrm{AC}$
P.S. 1: For body valve in zamak add the letter " $A$ " to the type.
E.G.: $3 / 2$ N.C. with manual override, body in zamak ULCSV/RA + voltage.
P.S. 2: For body valve in plastic and universal interface strip change the letter "R" of the type with the letter "U". E.G.: $3 / 2$ N.C. with manual override, body in plastic ULCSV/U + voltage.


## 3 PORT WITH PLASTIC INTERFACE STRIP

62


6.7 - -


3 PORT WITH ZAMAK INTERFACE STRIP



## MULTI-STATION SIDE PORTED BASE G $1 / 8$ - ULP8S



| $N^{\text {}}$ o of stations | 2 | 3 | 5 |
| :---: | :---: | :---: | :---: |
| LA | 68 | 102 | 170 |
| LB | 59 | 93 | 161 |
| Weight $(g)$ | 85 | 130 | 220 |
| TYPE | ULP8S/2 | ULP8S/3 | ULP8S/5 |

SINGLE BASE G $1 / 8$ - XVB

2


$$
0
$$

## BLANKING PLATE - KIT/PC/UL



WEIGHT 10 g

EXAMPLE OF BASES ASSEMBLY

P.S.: The connection nipple is supplied as standard with the multi-station base

## DESCRIPTION

The direct acting solenoid valves series "C/" are produced in conformity with the Directives EC 89/336, EC 92/31, EC 93/68, EC $73 / 23$ in the $3 / 2$ N.O. and $3 / 2$ N.C. pneumatic functions. Using the same mechanic, it s possible to obtain four standard versions: side 22 mm - body ported, side 22 mm - body with interface, side 30 mm - body with ex CNOMO interface and body with interface for mounting on poppet and ex CETOP (with fixed position and rotatable coil) valves. All the solenoid valves with interface can be mounted on single modular bases. The version side 30 mm with ex CNOMO interface, in the $3 / 2$ N.C. pneumatic function, has two different manual overrides as standard: bistable screwdriver and monostable push button.

## TECHNICAL DATA

| Operating pressure | $0 \div 10 \mathrm{bar}$ N.C. |
| :--- | :--- |
|  | $0 \div 8 \mathrm{bar}$ N.O. | | Working temperature | $0 \div+50^{\circ} \mathrm{C}\left(-20^{\circ} \mathrm{C}\right.$ with dry air) |
| :--- | :--- |
| Fluid | Fittered, unlubricated or continuous lubricated compressed air |
| Sleeve | $\varnothing 9 \mathrm{~mm}$ |
| Nominal diameter | $1,1 \mathrm{~mm}$ |
| Max. operating frequency | $\leq 13 \mathrm{~Hz}$ |
| Coils | USB - see chapter Coils on page 2.14 <br>  <br> USBG - see chapter Coils on page 2.14 |
| Electric connectors | USR102/N9 - see chapter Connectors on page 2.15 <br>  |


| MATERIALS |
| :--- |
| Core IMRE <br> Body ported G $1 / 8-\mathrm{G} 1 / 4$ Aluminium <br> Body and manual override Acetal resin <br> Springs Stainless steel <br> Seals Viton® |



## FLOW CHART - C/



## 3 PORT G $1 / 8$ - G $1 / 4$ SIDE 22 mm

| Symbol | Function | Controls |  | Response time at 6 bar (ms) |  | Flow rate at 6 bar $\Delta P=1$ bar ( $\mathrm{N} / \mathrm{min}$ ) | Manual override | Size | Weight (g) | TYPE* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pilot | Return | Energized | De-energized |  |  |  |  |  |
|  | 3/2 N.O. | Solenoid | Mechanical spring | 10 | 20 | 48 | G 1/8 | - | 46 | C8/USASGG |
|  | 3/2 N.O. | Solenoid | Mechanical spring | 10 | 20 | 48 | G 1/4 | - | 46 | C4/USASGG |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 10 | 20 | 36 | G 1/8 | - | 65 | C8/USCSGG |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 10 | 20 | 36 | G 1/4 | - | 80 | C4/USCSGG |

[^1]Direct acting solenoid valves with sleeve Ø 9 mm

3 PORT G $1 / 8$

2


3 PORT G $1 / 4$


MANIFOLD BASE OF SOLENOID VALVES SIDE PORTED G 1/8 N.C. - C8/USCP AND N.O. - C8/USAP

P.S.: MANIFOLD BASES OF SOLENOID VALVES WITH "MIXED" OPERATION (N.O./N.C.) ARE SUPPLIED UPON REQUEST

3 PORT WITH INTERFACE FOR MODULAR BASES AND SPOOL VALVES SIDE 22 mm

| Symbol | Function | Controls |  | Response time at 6 bar (ms) |  | Flow rate at 6 bar $\Delta P=1$ bar ( $\mathrm{N} / \mathrm{min}$ ) | Manual override | Weight (g) | TYPE* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pilot | Return | Energized | De-energized |  |  |  |  |
|  | 3/2 N.O. | Solenoid | Mechanical spring | 10 | 25 | 36 | Manual monostable | 45 | C/USASVP |
|  | 3/2 N.O. | Solenoid | Mechanical spring | 10 | 25 | 36 | - | 30 | C/USASGP |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 10 | 25 | 36 | Manual monostable | 30 | C/USCSVP |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 10 | 25 | 36 | - | 30 | C/USCSGP |

* THE TYPES OF THE SOLENOID VALVES DO NOT INCLUDE COILS


## C/USCSVP



## C/USASVP - C/USASGP



MODULAR BASE SIDE PORTED G 1/8-ELPP8S


| DESCRIPTION | TYPE |
| :--- | :--- |
| 3/2 N.O. + base + coil (with manual override) | ELPP8S/PAV/USB/voltage |
| 3/2 N.O. + base + coil (without manual override) | ELPP8S/PAG/USB/voltage |
| 3/2 N.C. + base + coil (with manual override) | ELPP8S/P/USB/voltage |

Direct acting solenoid valves with sleeve Ø 9 mm - bases

3 PORT WITH ex CNOMO INTERFACE FOR MODULAR BASES AND VALVES TO ISO 5599/1

| Symbol | Function | Controls |  | Response time at 6 bar (ms) |  | $\begin{gathered} \text { Flow rate } \\ \text { at } 6 \text { bar } \\ \Delta \mathrm{P}=1 \mathrm{bar}(\mathrm{~N} / \mathrm{min}) \end{gathered}$ | Manual override | Weight (g) | TYPE* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pilot | Return | Energized | De-energized |  |  |  |  |
|  | 3/2 N.O. | Solenoid | Mechanical spring | 13 | 23 | 36 | Manual monostable | 60 | C/UEASVB |
|  | 3/2 N.O. | Solenoid | Mechanical spring | 13 | 23 | 36 | - | 45 | C/UEASGB |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 10 | 25 | 36 | Bistable screw driver slot | 45 | C/UECSVB |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 10 | 25 | 36 | Monostable push button | 45 | C/UECSPB |

* THE TYPES OF THE SOLENOID VALVES DO NOT INCLUDE COILS

C/UECSVB - C/UECSPB


C/UEASVB - C/UEASGB

ex CNOMO MODULAR BASE SIDE PORTED G $1 / 8$ - ELPG8S

HOW TO ORDER A SOLENOID VALVE COMPLETE OF COIL AND BASE

| DESCRIPTION | TYPE |
| :--- | :--- |
| $3 / 2$ N.O. + base + coil (with manual override) | ELPG8S/BAV/USBG/voltage |
| $3 / 2$ N.O. + base + coil (without manual override) | ELPG8S/BAG/USBG/voltage |
| $3 / 2$ N.C. + base + coil (with manual override) | ELPG8S/B/USBG/voltage |
| $3 / 2$ N.C. + base + coil (with push button manual overide) | ELPG8S/BP/USBG/voltage |

Example: $3 / 2$ N.O. solenoid valve base mounted (with manual override) + coil 24 V D.C. ELPG8S/BAV/USBG/02400

3 PORT WITH INTERFACE FOR POPPET AND ex CETOP (WITH FIXED POSITION AND ROTATABLE COIL) VALVES

| Symbol | Function | Controls |  | Response time at 6 bar (ms) |  | $\begin{gathered} \text { Flow rate } \\ \text { at } 6 \text { bar } \\ \Delta \mathrm{P}=1 \mathrm{bar}(\mathrm{~N} / \mathrm{min}) \end{gathered}$ | Manual override | Weight <br> (g) | TYPE* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pilot | Return | Energized | De-energized |  |  |  |  |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 10 | 25 | 36 | Manual bistable | 30 | C/USCSVG |

* THE TYPES OF THE SOLENOID VALVES DO NOT INCLUDE COILS


## C/USCSVG



## 3 PORT BODY PORTED G $1 / 8$ FOR DIRECT MOUNTING

This solenoid valve has been specifically designed to pilot single acting small cylinders and pneumatic valves. The input connection is M5 while the output has a male thread G1/8 that allows the direct assembling of the solenoid valve on the component.

| Symbol | Function | Controls |  | Response time at 6 bar (ms) |  | $\begin{gathered} \text { Flow rate } \\ \text { at } 6 \text { bar } \\ \Delta P=1 \mathrm{bar}(\mathrm{~N} / \mathrm{min}) \end{gathered}$ | Manual override | Weight (g) | TYPE* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pilot | Return | Energized | De-energized |  |  |  |  |
|  | 3/2 N.C. | Solenoid | Mechanical spring | 10 | 20 | 36 | - | 46 | C/ELP8M |

* THE TYPES OF THE SOLENOID VALVES DO NOT INCLUDE COILS


## C/ELP8M



## TECHNICAL DATA

| Voltages | $\begin{aligned} & \text { DC: } 24 \mathrm{~V} \\ & \text { AC: } 24 \mathrm{~V}-110 \mathrm{~V}-220 \mathrm{~V} \end{aligned}$ |
| :---: | :---: |
| Working temperature | $-30 \div+40^{\circ} \mathrm{C}$ basic version <br> $-30 \div+70^{\circ} \mathrm{C}$ low absorption version |
| Power consumption | Basic version <br> DC: 5 W <br> AC : 11 VA (inrush) <br> Low absorption version <br> DC: $2,5 \mathrm{~W}$ <br> AC: 5,6 VA (inrush) |
| Standard frequencies AC | $50-60 \mathrm{~Hz}$ |
| Voltage tolerance | $\pm 10 \%$ of rated voltage |
| Coil insulation class | F |
| Solenoid rating | 100\% ED |
| Electrical connection | Fit for connector to DIN 46244 standard See chapter Connectors series USR on page 2.15 |
| Protection class with connector | IP 65 |

## MATERIALS

| Body | Glass stiffened polyamide |
| :--- | :--- |
| Coil winding | Copper wire |

## USB



WEIGHT 50 g

| DESCRIPTION | TYPE |
| :--- | :--- |
| Coil 22 mm 24 V DC | USB/02400 |
| Coil 22 mm 24 V AC | USB/02450-60 |
| Coil 22 mm 110 V AC | USB/11050-60 |
| Coil 22 mm 220 V AC | USB/22050-60 |
| Coil 22 mm 24 V DC - low absorption | USB-BA/02400 |
| Coil 22 mm 24 V AC - low absorption | USB-BA/02450-60 |
| Coil 22 mm 110 V AC - low absorption | USB-BA/11050-60 |
| Coil 22 mm 220 V AC - low absorption | USB-BA/22050-60 |
| OTHER VOLTAGES | USB/... |

USBG

TECHNICAL DATA

| Voltages | $\begin{aligned} & \text { DC: } 24 \mathrm{~V} \\ & \text { AC: } 24 \mathrm{~V}-110 \mathrm{~V}-220 \mathrm{~V} \end{aligned}$ |
| :---: | :---: |
| Working temperature | $-30 \div+40^{\circ} \mathrm{C}$ basic version $-30 \div+70^{\circ} \mathrm{C}$ low absorption version |
| Power consumption | Basic version <br> DC: 5 W <br> AC : 11 VA (inrush) <br> Low absorption version <br> DC: $2,5 \mathrm{~W}$ <br> AC: 5,6 VA (inrush) |
| Standard frequencies AC | $50-60 \mathrm{~Hz}$ |
| Voltage tolerance | $\pm 10 \%$ of rated voltage |
| Coil insulation class | H |
| Solenoid rating | 100\% ED |
| Electrical connection | Fit for connector to DIN 43650 standard, shape "A" See chapter Connectors series ULR on page 2.13 |
| Protection class with connector | IP 65 |

## MATERIALS

| Body | Glass stiffened polyamide |
| :--- | :--- |
| Coil winding | Copper wire |

USBG


WEIGHT 105 g

| DESCRIPTION | TYPE |
| :--- | :--- |
| Coil 30 mm 24 V DC | USBG/02400 |
| Coil 30 mm 24 V AC | USBG/02450-60 |
| Coil 30 mm 110 V AC | USBG/11050-60 |
| Coil 30 mm 220 V AC | USBG/22050-60 |
| Coil $30 \mathrm{~mm} \mathrm{24} \mathrm{V} \mathrm{DC} \mathrm{-} \mathrm{low} \mathrm{absorption}$ | USBG-BA/02400 |
| Coil 30 mm 24 V AC - low absorption | USBG-BA/02450-60 |
| Coil $30 \mathrm{~mm} \mathrm{110} \mathrm{V} \mathrm{AC} \mathrm{-} \mathrm{low} \mathrm{absorption}$ | USBG-BA/11050-60 |
| Coil 30 mm 220 V AC - low absorption | USBG-BA/22050-60 |
| OTHER VOLTAGES | USBG/... |

Connectors for solenoid valves side 15 mm series UM

## series

## TECHNICAL DATA

| Voltages | DC: MAX. 300 V <br> AC: MAX. 250 V |
| :--- | :--- |
| Working temperature | $-40 \div+90^{\circ} \mathrm{C}$ |
| Versions | Basic |
|  | With indicator light (LED) |
|  | With indicator light (LED) and varistat (VDR) as electrical protection |
| Number of pins | $2+$ earthed |
| Nominal current | 6 A |
| Maximum current | 10 A |
| Contacts resistance | $\leq 4$ mOhm |
| Protection class | IP 65 EN 60529 |
| Connector insulation class | IEC $664 /$ VDE 0110-1/89 |

## MEK192/N



## Connectors DIN 46244

for coils side 22 mm series USB and series WE (3A) series

## USR $_{102 / \mathrm{N} 9}$

## USR102/N9



| DESCRIPTION | TYPE |
| :--- | :--- |
| Basic connector | USR102/N9 |
| Connector with led + VDR as protection 24 V DC/AC | USR102/N9VD 24 V CC/CA |
| Connector with led + VDR as protection 110 V DC/AC | USR102/N9VD 110 V CC/CA |
| Connector with led + VDR as protection 220 V DC/AC | USR102/N9VD 220 V CC/CA |
| Connector with led 24 V DC/AC | USR102/N9LED 24 V CC/CA |
| Connector with led 110/220 V DC/AC | USR102/N9LED 110/220 VCC/CA |

Connectors DIN 43650 - form "A" for solenoid valves side 30 mm series UL and coils series USBG and series WE (2A, 5A)

## TECHNICAL DATA

| Voltages | DC: MAX. 300V |
| :--- | :--- |
|  | AC: MAX. 250 V |
| Working temperature | $-40 \div+90^{\circ} \mathrm{C}$ |
| Versions | Basic |
|  | With indicator light (LED) |
|  | With indicator light (LED) and varistat (VDR) as electrical protection |
| Number of pins | $2+$ earthed |
| Nominal current | 6 A |
| Maximum current | 10 A |
| Contacts resistance | $\leq 4$ mOhm |
| Protection class | IP 65 EN 60529 |
| Connector insulation class | IEC 664 / VDE 0110-1/89 |

## ULR1B

| 27 |  | 27 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $-^{\mathrm{Pg} 9}$ |  | -18.5 |  |  |
| ㅐIT |  | 相相 |  |  |
|  | ษ |  |  |  |
| $\oplus$ |  |  | , |  |
| . 18. |  |  |  | WEIGHT 25 g |


| DESCRIPTION | TYPE |
| :--- | :--- |
| Basic connector | ULR1B |
| Connector with led + VDR as protection 24 V DC/AC | ULR1BND 24 V CC/CA |
| Connector with led + VDR as protection 110 V DC/AC | ULR1BND 110 V CC/CA |
| Connector with led + VDR as protection 220 VDC/AC | ULR1BND 220 V CC/CA |
| Connector with led 24 VDC/AC | ULR1B/LED 24 V CC/CA |
| Connector with led 110/220 V DC/AC | ULR1B/LED 110/220 V CC/CA |


[^0]:    1 = EXHAUST
    2 = OUTPUT
    $3=$ INPUT

[^1]:    * THE TYPES OF THE SOLENOID VALVES DO NOT INCLUDE COILS

