



AMH series handles


- Ergonomic design
- Available with different proportional and ON/OFF functions
- High resistance thermoplastic material
- Plate with customizable symbols

General features


| | |
|-----------------------------------|--|
| Body, shell and plate material | Nylon® 6, 30% SV |
| IP weather protection (assembled) | depending on configuration |
| Ambient temperature | from -20°C to 60°C / from -4°F to 140°F |
| UV resistance | according to IEC68-2-5, S test C procedure |

Electric device features


ON/OFF push button with detent

| | | |
|-------------------------------------|---------------------------------|---|
| Version | with detent |  |
| Contact type | NA | |
| Current rating | 200 mA @ 12 VDC | |
| Mechanical life (nr. of operations) | 10 ⁶ | |
| Electric life (nr. of operations) | 5x10 ⁵ | |
| Weather protection | IP67 with handle mounting | |


LED

| | | |
|-----------------------|-------------|---|
| Supply voltage (max.) | 12V (10 mA) |  |
|-----------------------|-------------|---|

ON/OFF push button

| | | |
|-------------------------------------|---------------------------------|---|
| Version | ritorno a molla |  |
| Contact type | NA | |
| Current rating | 2 A resistive load @ 12 VDC | |
| Mechanical life (nr. of operations) | 10 ⁶ | |
| Electric life (nr. of operations) | 200x10 ³ | |
| Weather protection | IP67 with handle mounting | |

Proportional roller

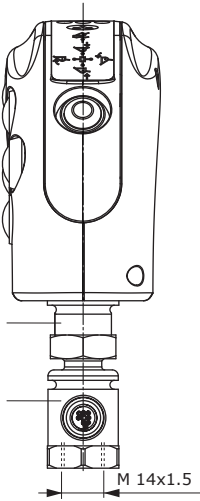
| | | |
|--|--|---|
| Supply | 9-32 VDC |  |
| Max. current consumption | < 24 mA | |
| Max. output current | 1 mA | |
| Output signal (range) | 0.5 - 4.5 V | |
| Output signal (central position) | 2.5V | |
| Signal tolerance (central position and stroke end) | ±100 mV | |
| Minimum load | 10 Ω | |
| Actuator deflection angle | ± 35° (±1°) | |
| Mechanical life (nr. of operations) | 10 ⁶ | |
| Operating force | 2 N | |
| Mechanical vibration | IEC 68-2 | |
| Mechanical shock | EN 60068-2-29 (pulse 400m/s ² x 6 ms, 100 times) | |
| Weather protection | IP67-IP69K | |
| EMC compatibility | ISO 13766 ISO 14982 | |

Cables

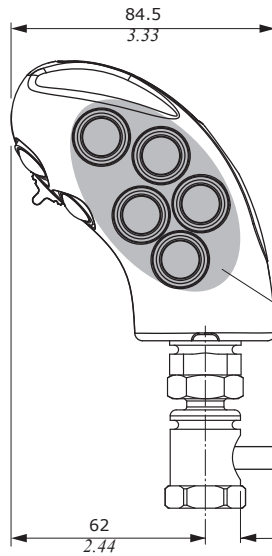
| | |
|------------------------------|-------------------------|
| Conductor material | copper with tinned ends |
| Nr. of conductors | up to 12 |
| Conductor section | from AWG16 to AWG20 |
| Insulating material | PVC |
| Protective covering material | fireproof polyurethane |

Dimensions

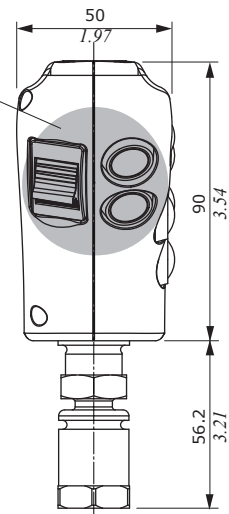
Operator view



Side view



Front view



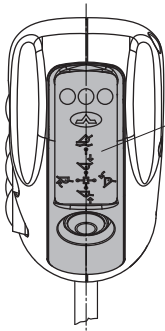
Front zone

It can be configured up to 4 push-buttons or up to 2 push-buttons and 1 roller

Side zone

It can be configured up to 5 push-buttons or up to 2 push-buttons and 1 roller

80
3.15
10
0.39
tinned ends



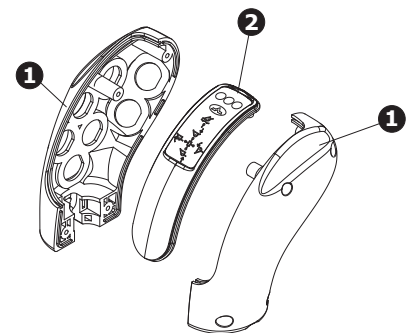
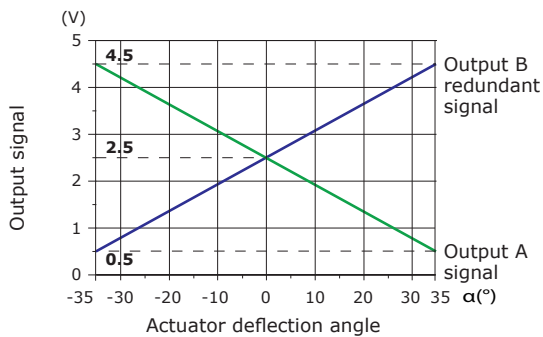
Holder plate

It can be configured up to 1 push-button and 3 LEDs with or without normative

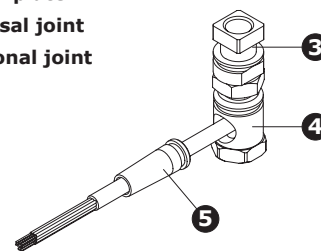
NOTES

Configuration with 2 roller is not available.
The handle can be configured with up to 4 push-buttons with protection diode.

Proportional roller output detail

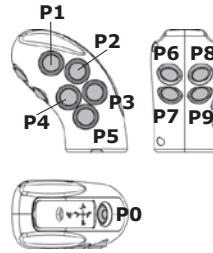
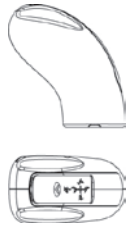


- 1) Half-shell
- 2) Holder plate
- 3) Universal joint
- 4) Additional joint
- 5) Cable

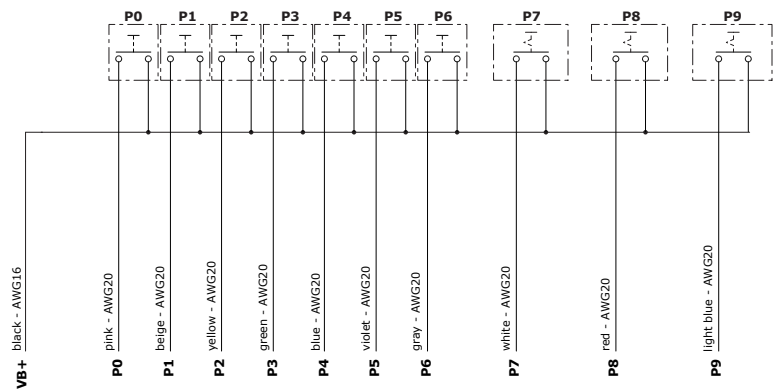


Configurations

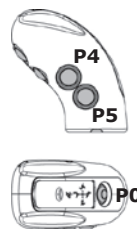
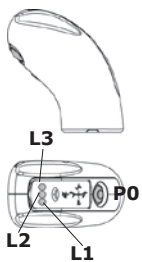
| | |
|-------------|----------------------------------|
| Code | 2IM3000000 |
| Description | AMH0000A9-(E2) |
| Plate | Without push-buttons and LED |
| Front zone | Without push-buttons |
| Side zone | Without push-buttons |
| Joint | Standard for SVM400-430 joystick |



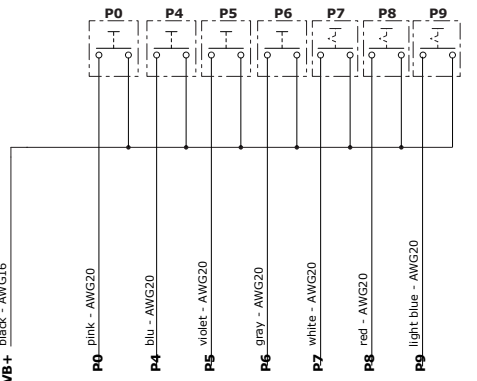
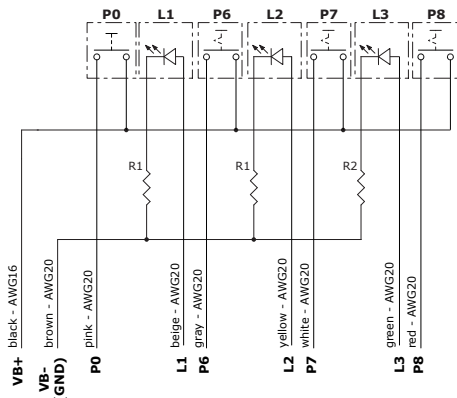
| | |
|-------------|---|
| Code | 2IM3000001 |
| Description | AMHT1000A9-0R3035-1R2035-2R2035-3R2035-4R2024-5R2035-6R2D035-7R2D035-8R2D035-9R2D035-(E3) |
| Plate | 1 push-button with detent (P0) |
| Front zone | 4 push-buttons with spring return (P6-P7-P8-P9) |
| Side zone | 5 push-buttons with spring return (P1-P2-P3-P4-P5) |
| Joint | Standard for SVM400-430 joystick |



| | |
|-------------|--|
| Code | 2IM3000002 |
| Description | AMHT0403A9-0RF035-6R2035-7R2035-8R2035-ALV035-BLV035-CLR035-(12VDC)-(E3) |
| Plate | 3 LED (L1-L2-L3) 12 VDC, 1 push-button with detent (P0) |
| Front zone | 3 push-buttons with spring return (P6-P7-P8) |
| Side zone | Without push-buttons |
| Joint | Standard for SVM400-430 joystick |



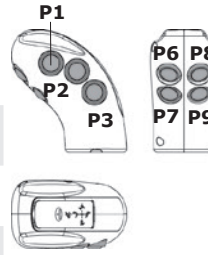
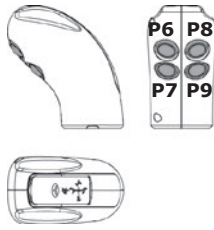
| | |
|-------------|--|
| Code | 2IM3000003 |
| Description | AMHT0700A9-0RF035-4R2035-5R2035-6R2035-7R2035-8R2035-9R2035-(E2) |
| Plate | 1 push-button with detent (P0) |
| Front zone | 4 push-buttons with spring return (P6-P7-P8-P9) |
| Side zone | 2 push-buttons with spring return (P4-P5) |
| Joint | Standard for SVM400-430 joystick |



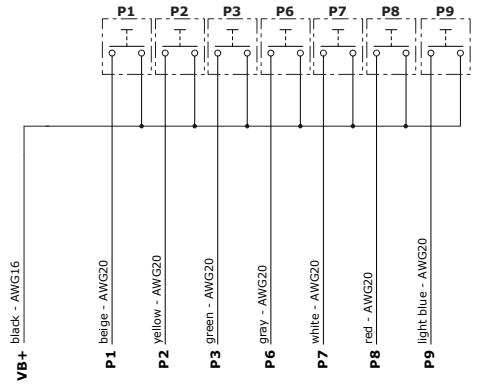
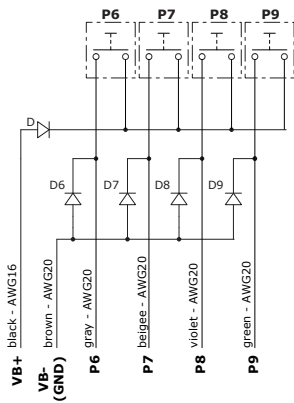
NOTE - For different joint see page 4. For different handle configurations, contact our Sales Dept.

Configurations

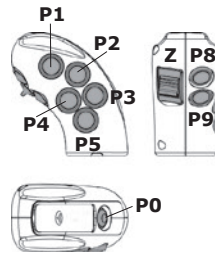
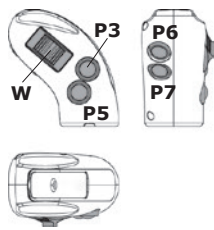
| | |
|-------------|--|
| Code | 2IM300004 |
| Description | AMH0400A9-6R2035-7R2035-8R2035-9R2035-(E2) |
| Plate | Without push-buttons and LED |
| Front zone | 4 push-buttons with spring return (P6-P7-P8-P9) with protect diode |
| Side zone | Without push-buttons |
| Joint | Standard for SVM400-430 joystick |



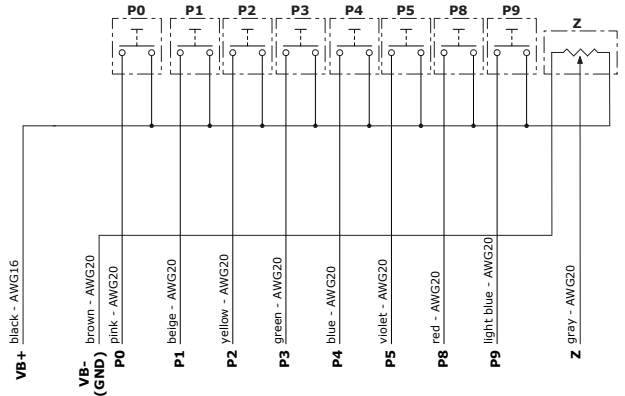
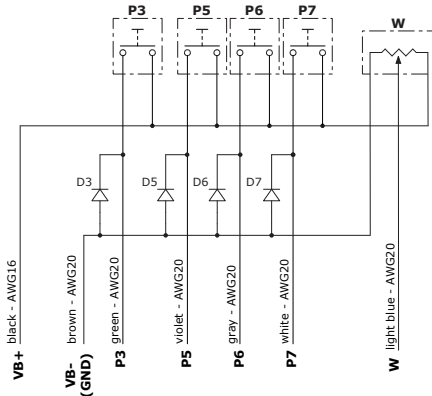
| | |
|-------------|---|
| Code | 2IM300005 |
| Description | AMH0700A9-1R2035-2R2035-3R2035-6R2035-7R2035-8R2035-9R2035-(E3) |
| Plate | Without push-buttons and LED |
| Front zone | 4 push-buttons with spring return (P6-P7-P8-P9) |
| Side zone | 3 push-buttons with spring return (P1-P2-P3) |
| Joint | Standard for SVM400-430 joystick |



| | |
|-------------|---|
| Code | 2IM3100000 |
| Description | AMHT0410A9-3R2D035-5R2D035-6R2D035-7R2D035-WN140035-(E1) |
| Plate | Without push-buttons |
| Front zone | 2 push-buttons with spring return (P6-P7) with protect diode |
| Side zone | 2 push-buttons with spring return (P3-P5) with protect diode, 1 proportional roller (W) |
| Joint | Standard for SVM400-430 joystick |



| | |
|-------------|--|
| Code | 2IM3100001 |
| Description | AMHT0810A9-0RF035-1R2035-2R2035-3R2035-4R2035-5R2035-8R2035-9R2035-ZN140035-(E1) |
| Plate | 1 push-button with detent (P0) |
| Front zone | 2 push-buttons with spring return (P8-P9), 1 proportional roller (Z) |
| Side zone | 5 push-buttons with spring return (P1-P2-P3-P4-P5) |
| Joint | Standard for SVM400-430 joystick |



NOTE - For different joint see page 4. For different handle configurations, contact our Sales Dept.