



S series handle



- Ergonomic design
- Rubber coating
- Robust construction, reliability and weather resistance
- Proportional switch option rocker

General features


| | |
|-----------------------------------|--|
| Covering material | Thermoplastic elastomer |
| Core material | Polyamide 6.6 |
| IP weather protection (assembled) | IP67 |
| Ambient temperature | from -20°C to 50°C / from -4°F to 122°F |
| UV resistance | according to IEC68-2-5, S test C procedure |

Electric devices features


Trigger and clacson push-button

| | | |
|-------------------------------------|---------------------------|---|
| Version | spring return |  |
| Contact type | NO | |
| Current rating | 7 A resistive |  |
| | 4 A inductive @ 28 VDC | |
| Mechanical life (nr. of operations) | 10 ⁶ | |
| Electric life (nr. of operations) | 5x10 ⁵ | |
| Operating force | 0.8 N | |
| Weather protection | IP50 | |


Proportional roller with ratiometric signal

| | | |
|--|-----------------|---|
| Supply | 12VDC |  |
| Output signal (range) | 3.5 - 8.5 V | |
| Output signal (central position) | 6V | |
| Signal tolerance (central position and stroke end) | ±1 % | |
| Nominal resistance | 5 KΩ | |
| Actuator deflection angle | 160° (±5°) | |
| Mechanical life (nr. of operations) | 10 ⁷ | |

ON/OFF push-button

| | | |
|-------------------------------------|---------------------------|---|
| Version | Spring return |  |
| Contact type | NO | |
| Current rating | 5 A resistive | |
| | 3 A inductive @ 28 VDC | |
| Mechanical life (nr. of operations) | 10 ⁶ | |
| Electric life (nr. of operations) | 25x10 ³ | |
| Weather protection | IP64 | |

Proportional roller (ARW)

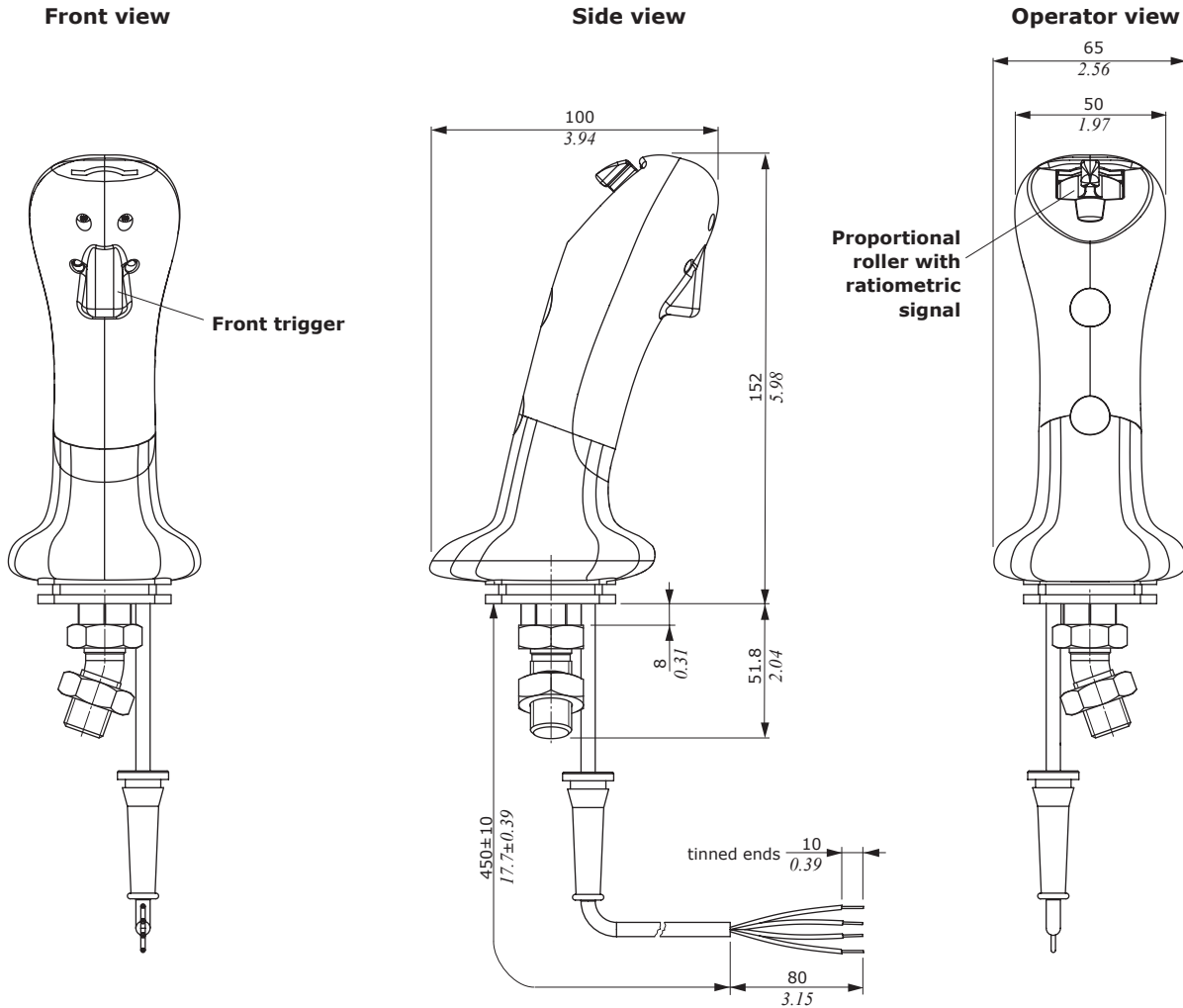
| | | |
|--|---|---|
| Supply | 8-32 VDC |  |
| Max. current consumption | < 24 mA | |
| Max. output current | 1 mA | |
| Output signal (range) | 0.5 - 4.5 V | |
| Output signal (central position) | 2.5V | |
| Signal tolerance (central position and stroke end) | ±100 mV | |
| Minimum load | 10 Ω | |
| 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 | ISO 13766 - ISO 14982 | |

Cables

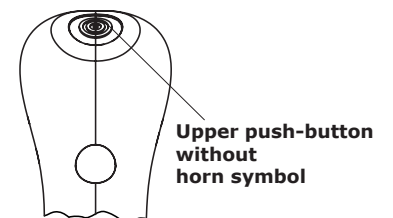
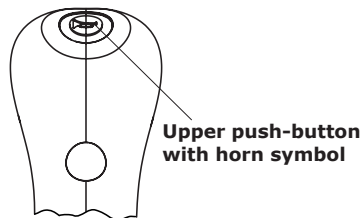
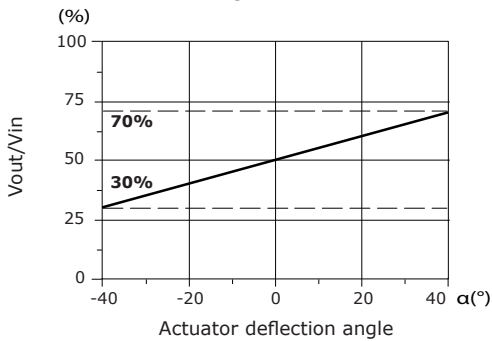
| | |
|------------------------------|-------------------------|
| Conductor material | copper with tinned ends |
| Conductor section | AWG18 |
| Insulating material | PVC |
| Protective covering material | PVC |

Dimensions

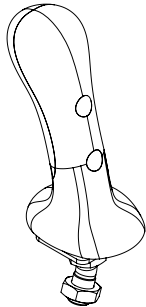
With proportional roller with ratiometric signal



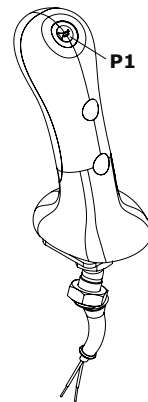
Proportional roller output detail



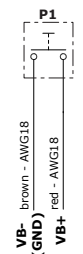
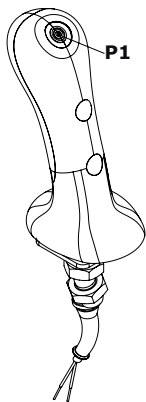
With proportional roller with ratiometric signal



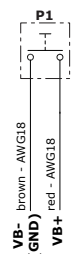
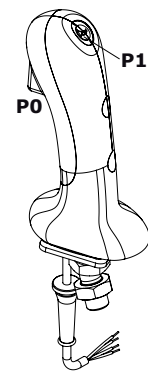
| | |
|---------------|--|
| Code | 2IM500000 |
| Description | S007 |
| Configuration | Without control devices |
| Joint | Sloping 19° left for SVM400-430 joystick |



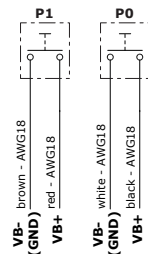
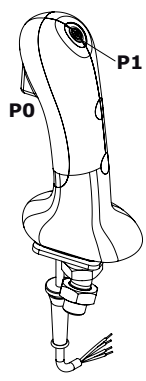
| | |
|---------------|--|
| Code | 2IM510002 |
| Description | S107-045 |
| Configuration | With upper push-button with horn symbol (P1) |
| Joint | Sloping 19° left for SVM400-430 joystick |

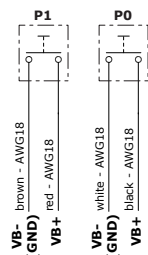
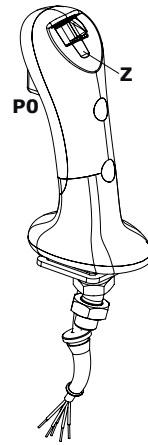
| | |
|---------------|---|
| Code | 2IM5120001 |
| Description | S10A8-045 |
| Configuration | With upper push-button without horn symbol (P1) |
| Joint | Sloping 19° right for SVM400-430 joystick |

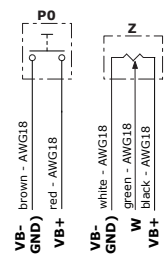
| | |
|---------------|---|
| Code | 2IM5210002 |
| Description | S218-045 |
| Configuration | With upper push-button with horn symbol (P1) and front trigger (P0) |
| Joint | Sloping 19° right for SVM400-430 joystick |

| | |
|---------------|--|
| Code | 2IM5210003 |
| Description | S21A7-045 |
| Configuration | With upper push-button without horn symbol (P1) and front trigger (P0) |
| Joint | Sloping 19° left for SVM400-430 joystick |

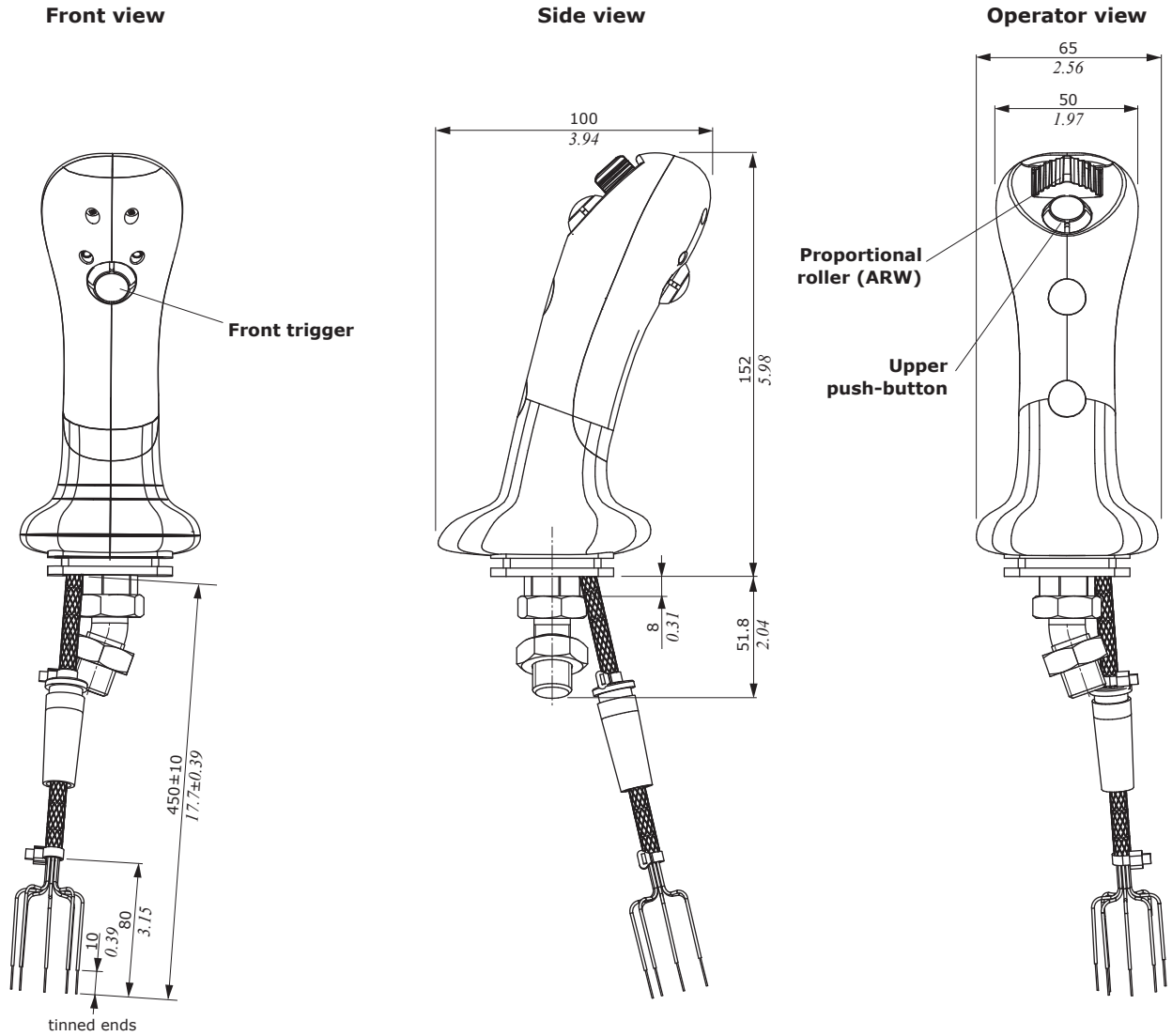
| | |
|---------------|---|
| Code | 2IM5110003 |
| Description | S117-045 |
| Configuration | With proportional roller (Z) and front trigger (P0) |
| Joint | Sloping 19° left for SVM400-430 joystick |



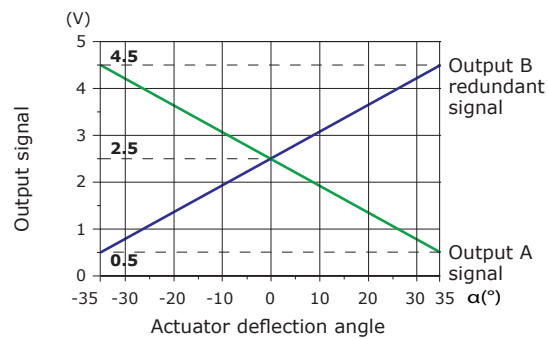
NOTE - For different joint see page 4.
For different handle configurations, contact our Sales Dept.

Dimensions

With ARW proportional roller



Proportional roller output detail



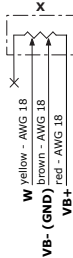
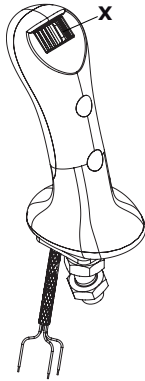
With ARW proportional roller

Code **2IM530000**

Description SZ8-XG122045

Configuration With ARW proportional roller (X)

Joint Sloping 19° right for SVM400-430 joystick

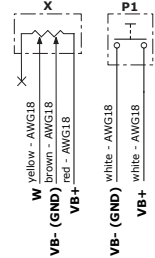
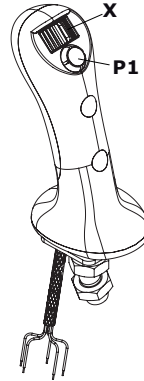


Code **2IM532000**

Description SZTB8-1G4045-XG122045

Configuration With ARW proportional roller (X) and thumb type upper push-button (P1)

Joint Sloping 19° right for SVM400-430 joystick

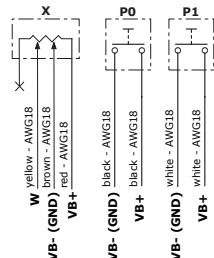
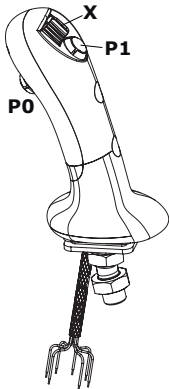


Code **2IM5330003**

Description SZTC8-0G4045-1G4045-XG122045

Configuration With ARW prop.roller (X), thumb type upper push-button (P1) and front trigger (P0)

Joint Sloping 19° right for SVM400-430 joystick

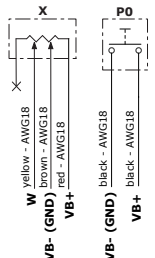
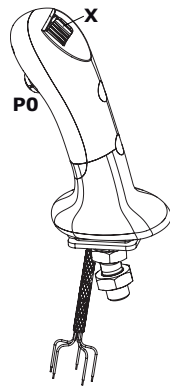


Code **2IM5310003**

Description SZTA8-0G4045-XG122045

Configuration With ARW proportional roller (X) and front trigger (P0)

Joint Sloping 19° right for SVM400-430 joystick

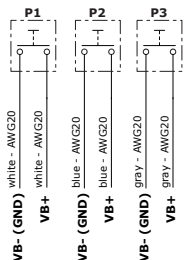
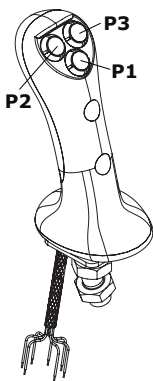


Code **2IM544000**

Description STB38-1RB045-2RB045-3RB045

Configuration With 3 upper push-buttons (P1-P2-P3)

Joint Sloping 19° right for SVM400-430 joystick

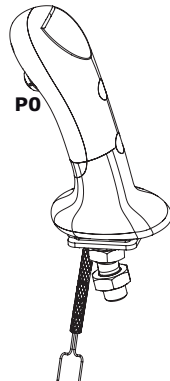


Code **2IM5410001**

Description STA8-0G4045

Configuration With front trigger (P0)

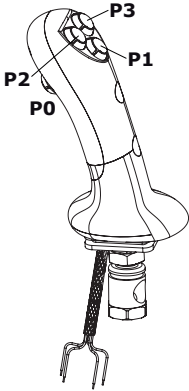
Joint Sloping 19° right for SVM400-430 joystick



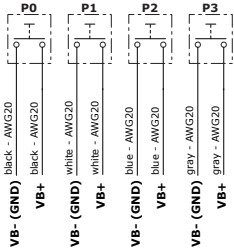
NOTE - For different joint see page 4.
For different handle configurations, contact our Sales Dept.

Configurations

With ARW proportional roller



| | |
|---------------|---|
| Code | 2IM5430000 |
| Description | STC39-0RB045-1RB045-2RB045-3RB045 |
| Configuration | With 3 upper push-buttons and front trigger (P1-P2-P3) and front trigger (P0) |
| Joint | Standard for SVM400 joystick |



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