



S series handle

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

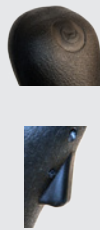
General features

| | |
|-----------------------------------|--|
| 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 | IP67 with handle mounting |



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 |



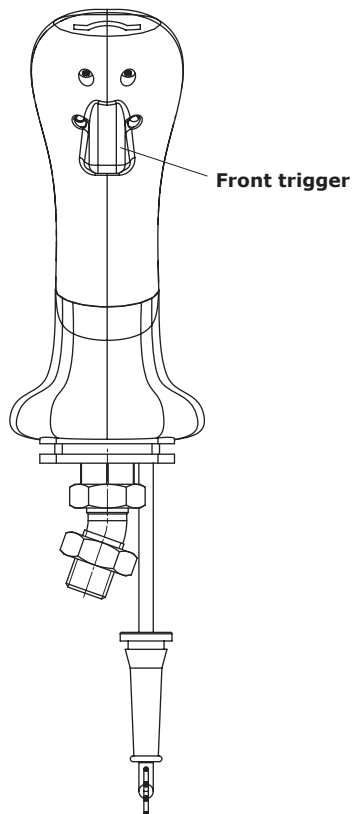
Cables

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

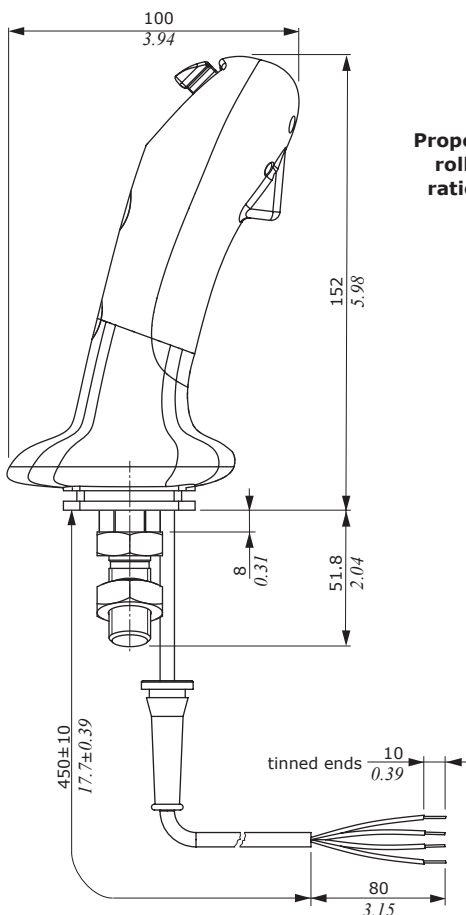
Dimensions

With proportional roller with ratiometric signal

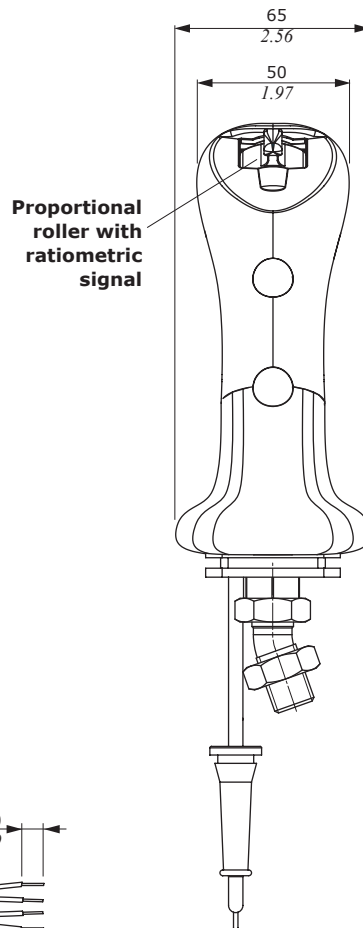
Front view



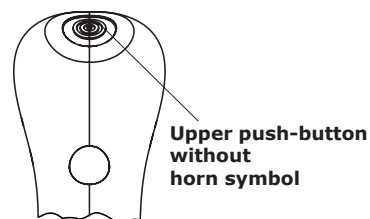
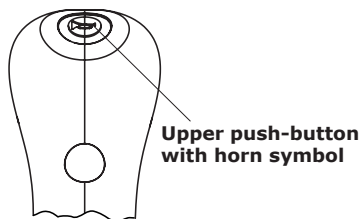
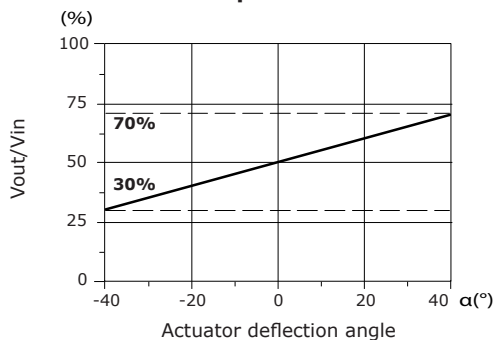
Side view



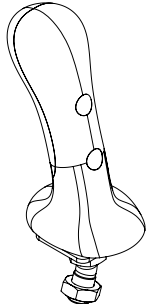
Operator view



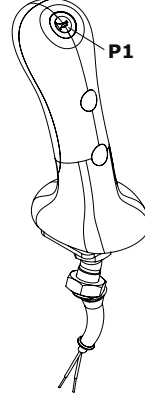
Proportional roller output detail




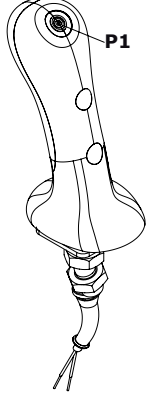
With proportional roller with ratiometric signal



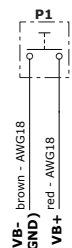
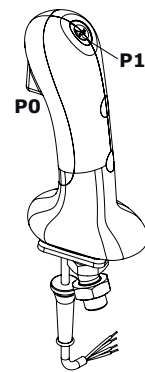
| | |
|---------------|--|
| Code | 2IM5000000 |
| Description | S007 |
| Configuration | Without control devices |
| Joint | Sloping 19° left for SVM400-430 joystick |



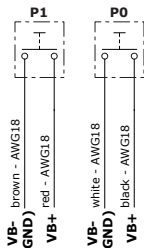
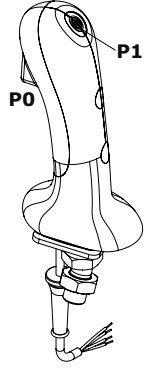
| | |
|---------------|--|
| Code | 2IM5100002 |
| Description | S107-045 |
| Configuration | With upper push-button with horn symbol (P1) |
| Joint | Sloping 19° left for SVM400-430 joystick |

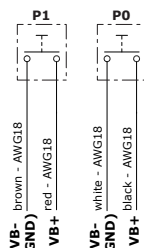
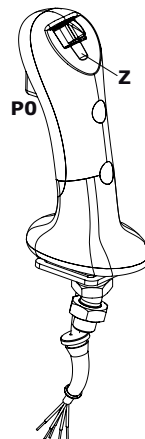
| | |
|---------------|---|
| Code | 2IM5120001 |
| Description | S10A8-045 |
| Configuration | With upper push-button without horn symbol (P1) |
| Joint | Sloping 19° right for SVM400-430 joystick |

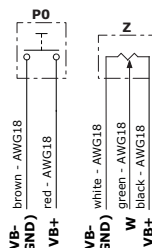
| | |
|---------------|---|
| Code | 2IM5210002 |
| Description | S218-045 |
| Configuration | With upper push-button with horn symbol (P1) and front trigger (P0) |
| Joint | Sloping 19° right for SVM400-430 joystick |

| | |
|---------------|--|
| 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 |

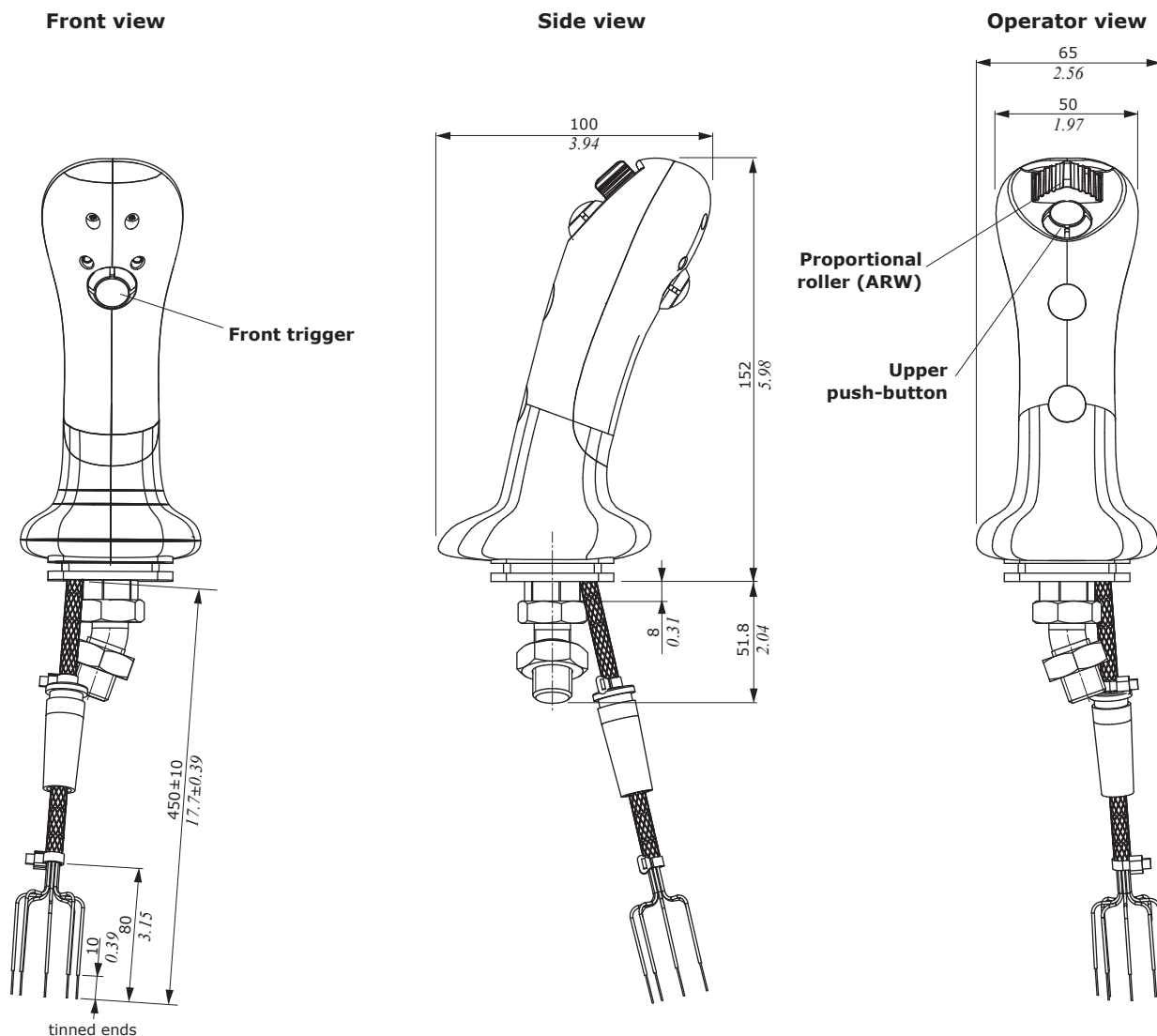
| | |
|---------------|---|
| Code | 2IM5110003 |
| Description | S117-045 |
| Configuration | With proportional roller (Z) and front trigger (P0) |
| Joint | Sloping 19° left for SVM400-430 joystick |



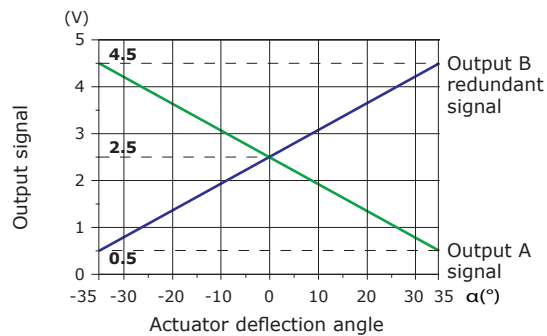
NOTE - For different joint see page 4.
For different handle configurations, contact our Sales Dept.

Dimensions

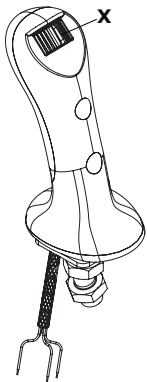
With ARW proportional roller



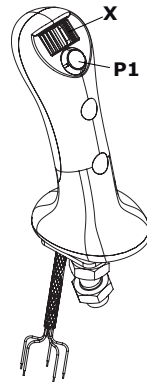
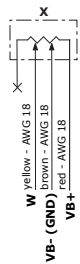
Proportional roller output detail



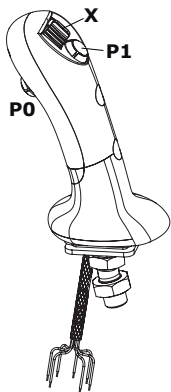
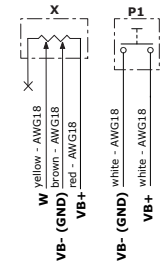
With ARW proportional roller



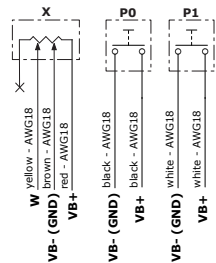
Code 2IM530000
Description SZ8-XG122045
Configuration With ARW proportional roller (X)
Joint Sloping 19° right for SVM400-430 joystick



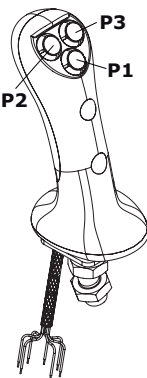
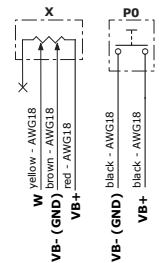
Code 2IM532000
Description SZTB8-1G4045-XG122045
Configuration With ARW proportional roller (X) and thumb type upper push-button (P1)
Joint Sloping 19° right for SVM400-430 joystick



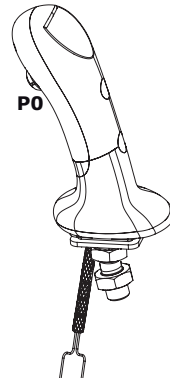
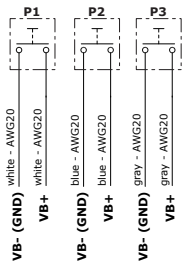
Code 2IM5330003
Description SZTC8-0G4045-1G4045-XG122045
Configuration With ARW prop.roller (X), thumb type upper push-button (P1) and front trigger (P0)
Joint Sloping 19° right for SVM400-430 joystick



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 2IM5440000
Description STB38-1RB045-2RB045-3RB045
Configuration With 3 upper push-buttons (P1-P2-P3)
Joint Sloping 19° right for SVM400-430 joystick



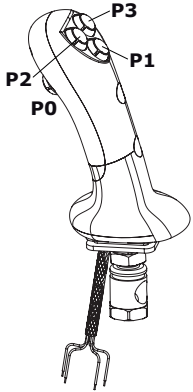
Code 2IM5410001
Description STA8-0G4045
Configuration With front trigger (P0)
Joint Sloping 19° right for SVM400-430 joystick



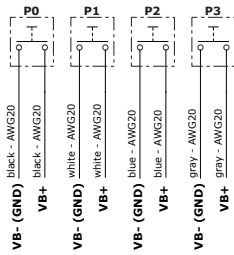
NOTE - For different joint see page 4.
 For different handle configurations, contact our Sales Dept.

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.