

# S3

## Multifunction Grip

### Introduction

The Multifunction grips (MFGs) provide the reliability required in demanding environmental conditions such as heavy duty industrial applications and off-road.

The high mechanical strength of the shaft and the unique look and feel make these multifunction grips ideal for rigorous use in rugged, harsh environments.

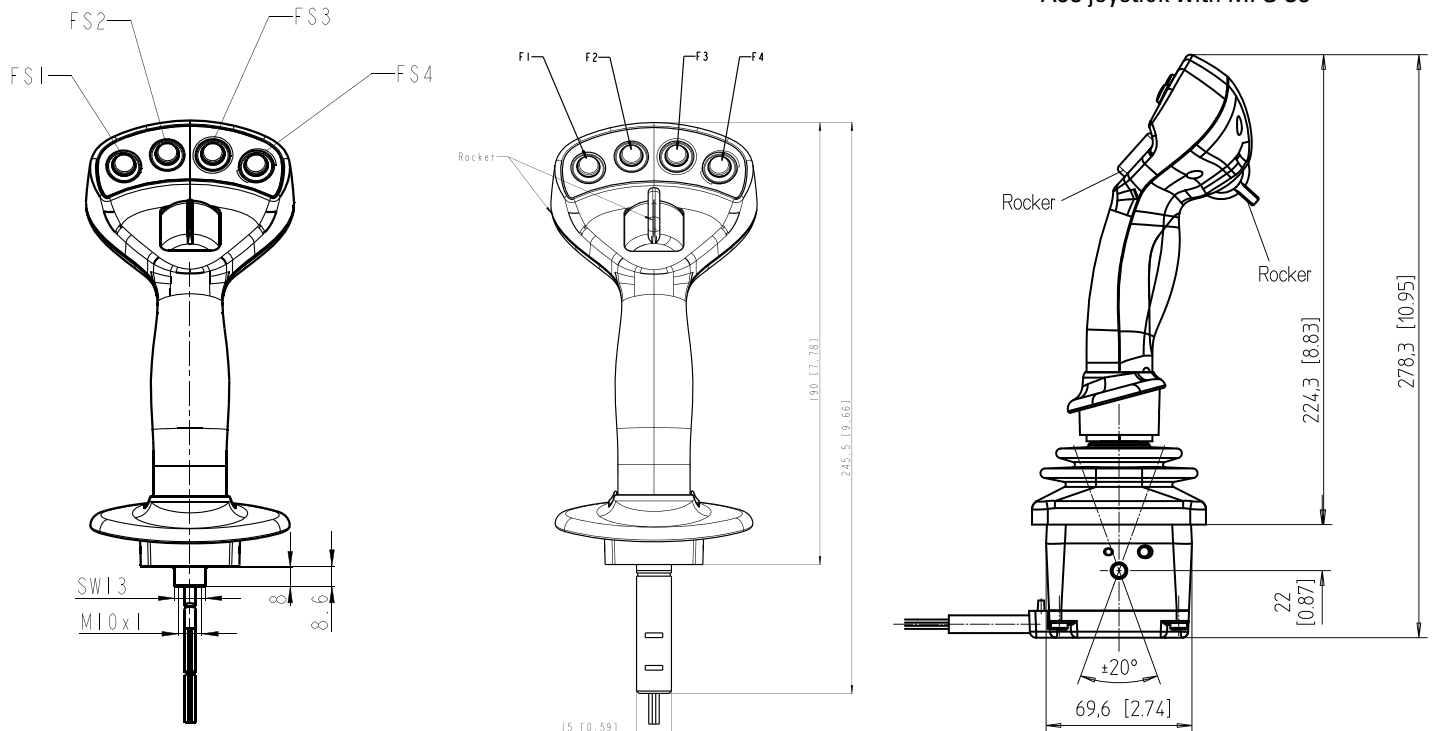
Multifunction grips are designed for use with AJ3/AJ4/AJN/SAL Joysticks but can also be used together with other joysticks. For more information on the AJ3, AJ4, AJN and SAL please consult the AJ3, AJ4, AJN and SAL datasheets.



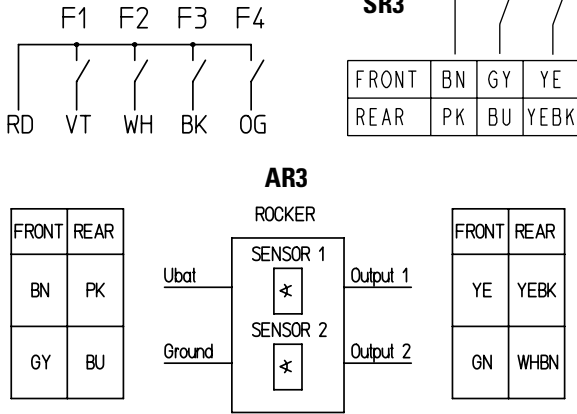
### Main Features

- Grip with soft-touch overmolded switch block
- Optional front rocker – analog or switch rocker (AR3/SR3) horizontal or vertical mountable
- Optional rear rocker – analog or switch rocker (AR3/SR3) vertical mountable
- 4 momentary switches (optional with backlighting)
- Optional adjustable handrest and soft-touch overmolding for different handsizes
- Rated for protection class IP65

### DIMENSIONS

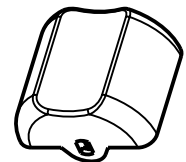
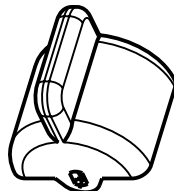
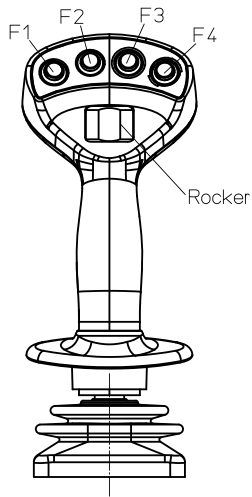
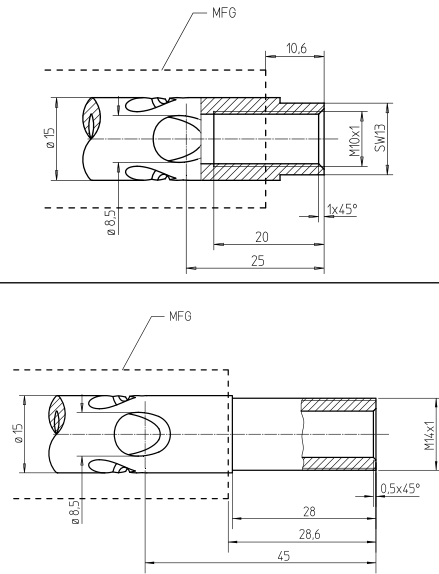


### SWITCH LAYOUT DIAGRAM



**Standard cable (CS):**  
 Typ: LIFY 0,25mm<sup>2</sup>  
 Length: 1.200mm (from end of tube)

### STANDARD TUBE 1 (TS1)

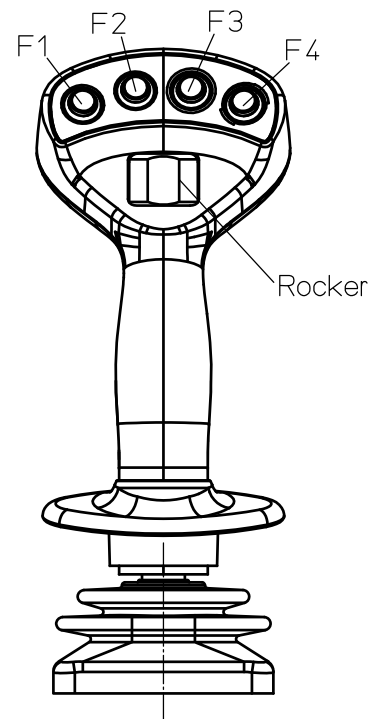


### Example





<b>Family</b>	S3	AR3H-5	SR3-1	TAJ-B	CS	4F
<b>S3:</b> MFG S3						
<b>Front Rocker</b>						
<b>AR3:</b> Analog Rocker 3 <b>SR3:</b> Switch Rocker 3 <b>N:</b> None						
<b>Install position</b> <b>H:</b> Horizontal <b>V:</b> Vertical						
<b>Actuator Shape</b> -1: actuator shape 1 -2: actuator shape 2 -5: actuator shape 5						
<b>Rear Rocker</b>						
<b>AR3:</b> Analog Rocker 3 <b>SR3:</b> Switch Rocker 3 <b>N:</b> None						
<b>Actuator Shape</b> -1: actuator shape 1 -2: actuator shape 2 -5: actuator shape 5						
<b>Tube<sup>(A)</sup></b>						
<b>TS1:</b> Standard Tube 1 <b>TS2:</b> Standard Tube 2 <b>TAJ:</b> Tube for AJ3 <b>TC...:</b> Customized Tube <sup>(B)</sup>						
<b>Cable Exit<sup>(A)</sup></b> -B: bottom exit -S: side exit						
<b>Cable</b>						
<b>CAJ:</b> cable for AJ3 <b>CS:</b> standard cable <b>CC:</b> customized cable <sup>(B)</sup>						
<b>Front Switches</b>						
<b>N:</b> no switch <b>4F:</b> 4 switches (F1-F4) <b>C:</b> customized <sup>(B)</sup>						



**Standard cable (CS):**  
Typ: LIFY 0,25mm<sup>2</sup>  
Length: 1.200mm (from end of tube)

All switches are well known high reliable **K12 switches**



## GENERAL NOTES

- <sup>(A)</sup> See drawing overleaf (For more technical data and drawings see overleaf)
- <sup>(B)</sup> Different switch versions available on request
- <sup>(C)</sup> Details available on request

Sensata Technologies, Inc. ("Sensata") data sheets are solely intended to assist designers ("Buyers") who are developing systems that incorporate Sensata products (also referred to herein as "components"). Buyer understands and agrees that Buyer remains responsible for using its independent analysis, evaluation and judgment in designing Buyer's systems and products. Sensata data sheets have been created using standard laboratory conditions and engineering practices. Sensata has not conducted any testing other than that specifically described in the published documentation for a particular data sheet. Sensata may make corrections, enhancements, improvements and other changes to its data sheets or components without notice.

Buyers are authorized to use Sensata data sheets with the Sensata component(s) identified in each particular data sheet. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER SENSATA INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY THIRD PARTY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT, IS GRANTED HEREIN. SENSATA DATA SHEETS ARE PROVIDED "AS IS". SENSATA MAKES NO WARRANTIES OR REPRESENTATIONS WITH REGARD TO THE DATA SHEETS OR USE OF THE DATA SHEETS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ACCURACY OR COMPLETENESS. SENSATA DISCLAIMS ANY WARRANTY OF TITLE AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT, QUIET POSSESSION, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS WITH REGARD TO SENSATA DATA SHEETS OR USE THEREOF.

All products are sold subject to Sensata's terms and conditions of sale supplied at [www.sensata.com](http://www.sensata.com) SENSATA ASSUMES NO LIABILITY FOR APPLICATIONS ASSISTANCE OR THE DESIGN OF BUYERS' PRODUCTS. BUYER ACKNOWLEDGES AND AGREES THAT IT IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL LEGAL, REGULATORY AND SAFETY-RELATED REQUIREMENTS CONCERNING ITS PRODUCTS, AND ANY USE OF SENSATA COMPONENTS IN ITS APPLICATIONS, NOTWITHSTANDING ANY APPLICATIONS-RELATED INFORMATION OR SUPPORT THAT MAY BE PROVIDED BY SENSATA.

Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA.

## CONTACT US

### INDUSTRIAL SOLUTIONS DIVISION

**Americas**  
+1 (800) 350 2727  
[sensors.deltatech@sensata.com](mailto:sensors.deltatech@sensata.com)  
**Europe, Middle East & Africa**  
+359 (2) 809 1826  
[ost-info.eu@sensata.com](mailto:ost-info.eu@sensata.com)  
**Asia Pacific**  
[sales.isasia@list.sensata.com](mailto:sales.isasia@list.sensata.com)  
China +86 (21) 2306 1500  
Japan +81 (45) 277 7117  
Korea +82 (31) 601 2004  
India +91 (80) 67920890  
Rest of Asia +886 (2) 27602006 ext 2808

### HEAVY VEHICLE & OFF-ROAD DIVISION

**Americas**  
+1 508 236 2196  
[products@sensata.com](mailto:products@sensata.com)  
**Europe, Middle East & Africa**  
+49 30 43 999 0  
[products@sensata.com](mailto:products@sensata.com)  
**Asia Pacific**  
[products@sensata.com](mailto:products@sensata.com)  
China +86 (21) 2306 1500  
Japan +81 (45) 277 7001  
Korea +82 (31) 601 2004