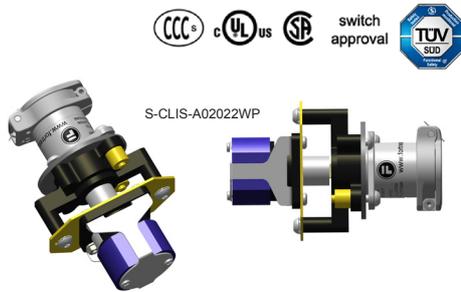| | |
|---|---|
| Power and Control Isolation | » Key Switch WP (water proof) |
| Key Exchange | |
| Door Locks and Actuators | **S** |

## Key Switch WP (water proof)

S-CLIS-A02022WP

The S unit is suitable for isolation or switching current and may be used to isolate power to machinery.

- Seal system is rated to IP67
- Direct drive operation - positively opens contacts
- The standard sequence is: Key trapped - Power on, Key free - Power off (other sequences can be specified)
- Special switch ratings and/or contact arrangements available on request

### Safety Data

| IP Rating | IP65 IP66 IP67 | |
|---|---|---|
| Standards | EN60947-3:2009 ISO EN14119:2013 EN13849-1:2008 EN13849-2:2012 EN62061:2005 | |
| Certifications | CE marked for all applicable directives | |
| Category | Cat. 4, PLe (EN/ISO 13849-1) and SIL3 (EN/IEC 62061) | |
| Functional safety data | B10d | 5,000,000 |
| | DC | High 99% (with correct monitoring) |

## mGard range

mGard is the ultimate range of robust mechanical trapped key products. Trapped key technology offers purely mechanical access locks (removing the need for expensive wiring). mGard offers an extensive variety of modular interlocking solutions. Suitable for use in applications up to SIL3 (EN/IEC 62061),Category 4 and PLe (EN/ISO 13849-1), mGard is ideal for use in harsh environments and is tested to 1,000,000 operations.
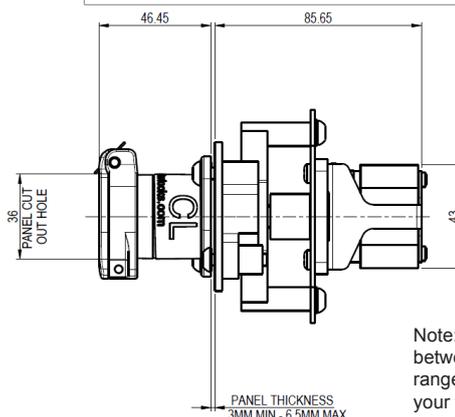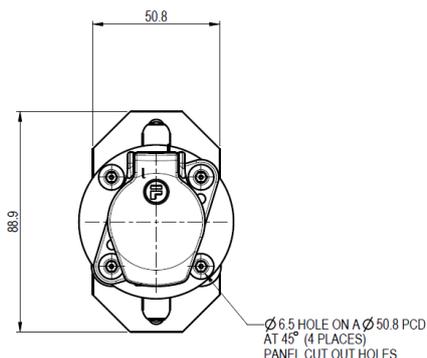
## Technical Specification

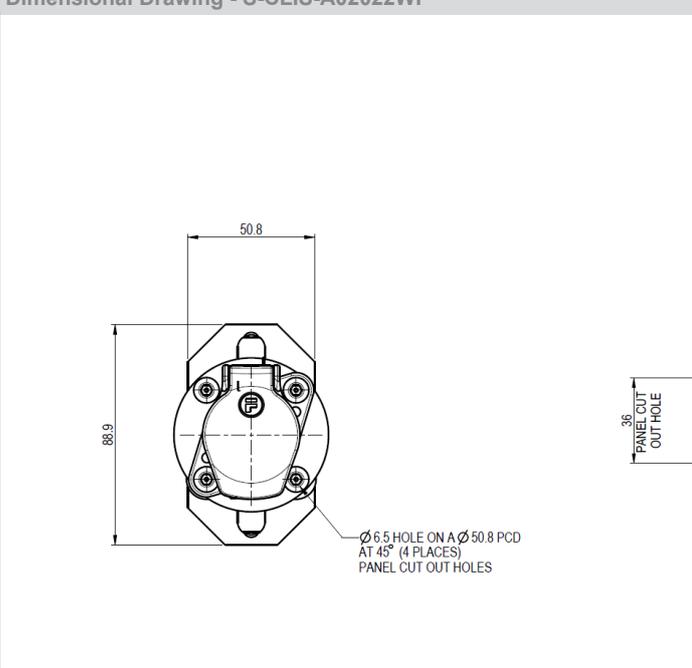| | |
|---|---|
| Mounting Plate | Plastic injection moulding with integrated O-Ring seal. |
| Lock Mechanism | Die-cast zinc body (optional stainless steel) operating mechanism (selected separately) |
| Key | Stainless steel (selected separately) |
| Minimum Operating Current | 5mA at 20v |

## Article Codes

| Mounting | Part Nº |
|---|---|
| Back of Board | S |

| Lock Type | |
|---|---|
| CL Lock no dustcover | CLIN |
| CL Lock with stainless steel dustcover | CLIS |
| Stainless Steel CL Lock with Stainless steel dustcover | CLSS |
| ML Lock no dustcover | MLIN |
| ML Lock with stainless steel dustcover | MLIS |
| Stainless Steel ML Lock with Stainless steel dustcover | MLSS |

| Switch Current | Part Nº |
|---|---|
| 20A | A020 |
| 32A | A032 |
| 63A | A063 |

| Switch Contacts | Part Nº |
|---|---|
| 4NO/0NC | 40 |
| 2NO/2NC | 22 |

| Type | |
|---|---|
| Water proof | WP |

## Dimensional Drawing - S-CLIS-A02022WP



50.8
88.9
Ø 6.5 HOLE ON A Ø 50.8 PCD AT 45° (4 PLACES) PANEL CUT OUT HOLES

## Wiring Diagram - Key Free

| 4NO/0NC | 1 ⟋ 2 | 3 ⟋ 4 | 5 ⟋ 6 | 7 ⟋ 8 |
|---|---|---|---|---|
| 2NO/2NC | 1 ⟋ 2 | 3 ⟋ 4 | 5 ⟋ 6 | 7 ⟋ 8 |



46.45
85.65
PANEL CUT OUT HOLE
36
43
PANEL THICKNESS 3MM MIN - 6.5MM MAX

Note: unit is designed for a panel thickness between 3mm & 6.5mm. Sizes outside of this range can be accommodated, please contact your fortress representative for advise.