Industrilas Vector™
Trigger latch central locking

Installation manual

Industrilås
When access counts

Electrical Specification

Operating temperature	-40 ~ +70°C
Operating humidity	90% RH Non Condensing
Power Supply	12V or 24V DC
Current consumption	2A (max) @12V 1A (max) @24V
Lock/unlock pulse time	0.5 - 1.0 sec **DO NOT EXCEED!**

Handle Switch

Contact output	Contact closed when handle closed
Switching Voltage (max)	175V DC
Switching Current (max)	0.25A DC

Latch Switch

Contact output	Contact closed when handle locked
Switching Voltage (max)	30V DC
Switching Current (max)	0.5A DC

IP Rating	IP65
Electrical Lifetime	50000 cycles
EMC Standards	EN 61000-6-2: 2019 EN 61000-6-3: 2021 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN55016-2-3 : EN55032/11

Connectors

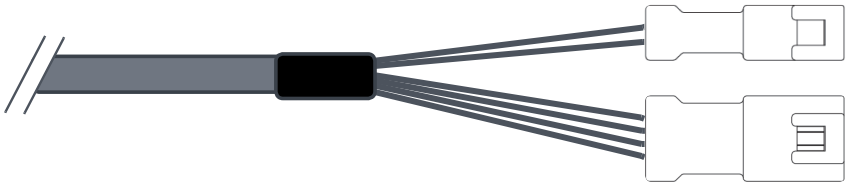
2-position connector type	JST 02R-JWPF-VSLE-S
4-position connector type	JST 04R-JWPF-VSLE-S

Wiring Diagram

No sensors

1 - Lock Control A BLACK
2 - Lock Control B RED

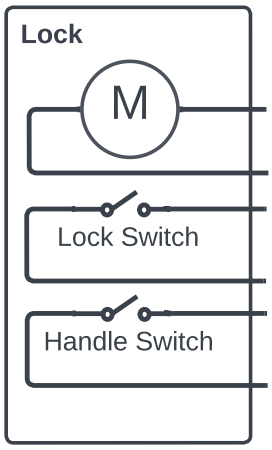
With latch and handle sensors



1 - Handle Status GREEN
2 - Handle Status YELLOW

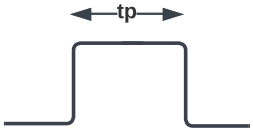
1 - Lock Control B RED
2 - Lock Control A BLACK
3 - Lock Status WHITE
4 - Lock Status GREEN

Schematic Diagram



Lock Control Signals

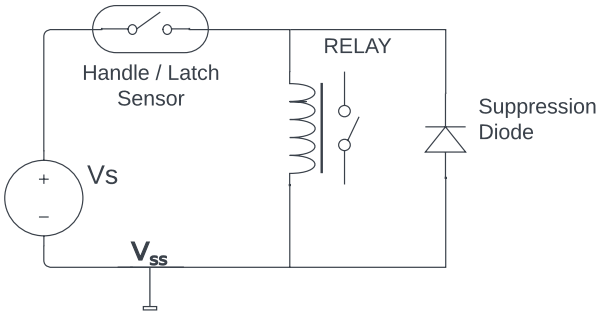
UNLOCK: Positive voltage pulse (tp) on Input B
LOCK: Positive voltage pulse (tp) on Input A



tp = 0,5 - 1,0 sec

⚠ A constant voltage on either input will destroy the motor.

Example circuit driving a relay



⚠ When a reed switch is used to control an inductive device (relay coil or solenoid, motor, etc.) the energy stored in the inductance in the device will subject the switch contacts to a high voltage when the reed switch opens. When the switch contacts open, the gap is initially small. Arcing across this contact gap can occur immediately after the switch opens. Increased arcing decreases switch life or may damage the switch permanently. Typically a diode is used to supress the arcing. **Make sure your circuit has a suppression diode when driving inductive loads!**

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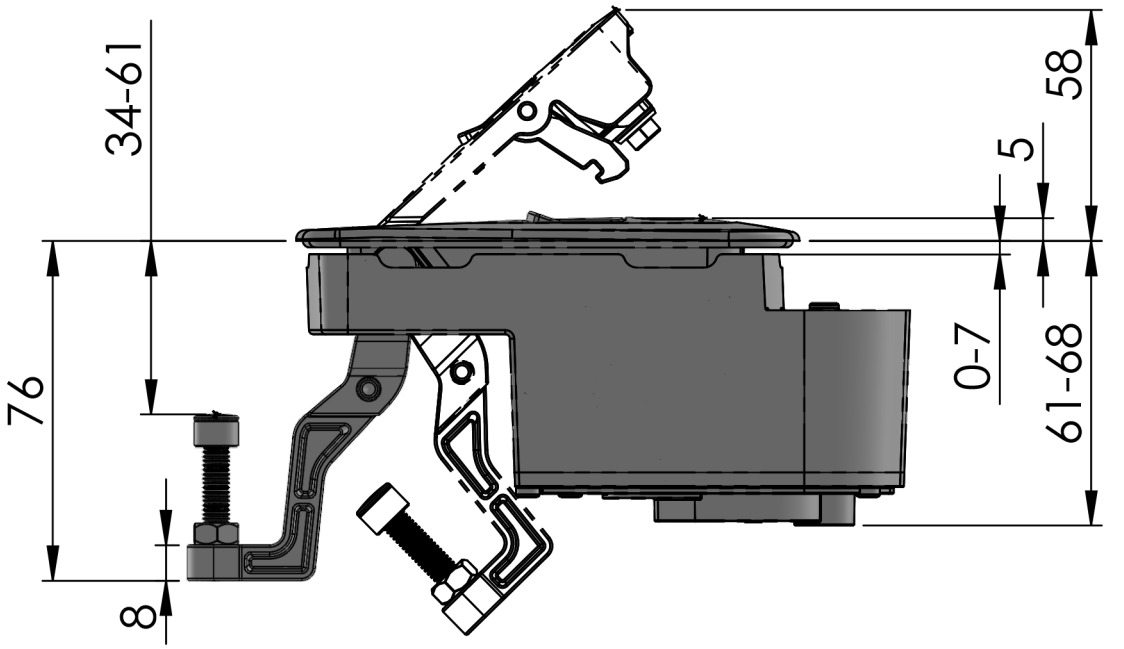

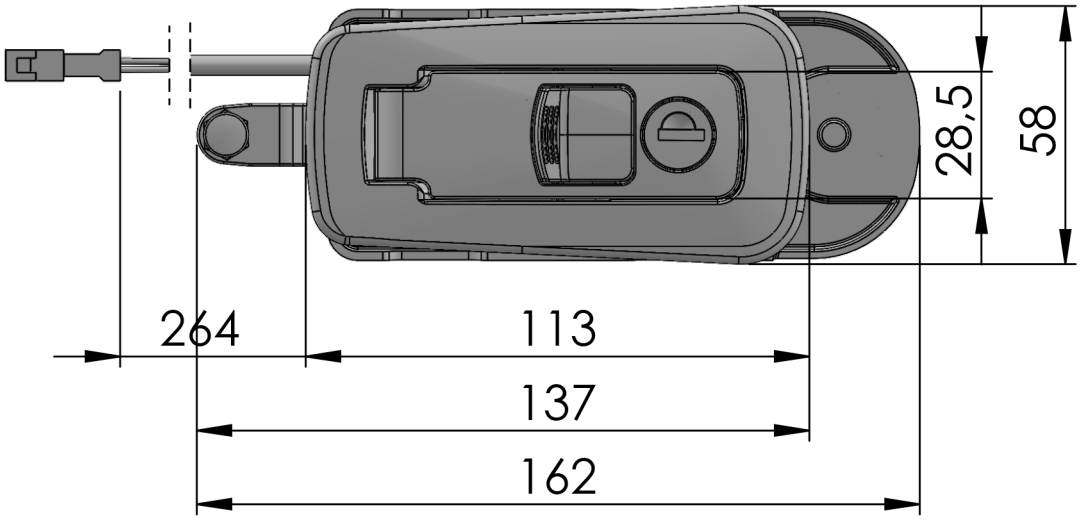

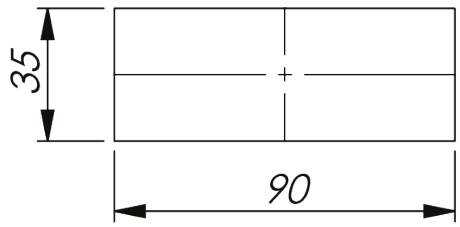

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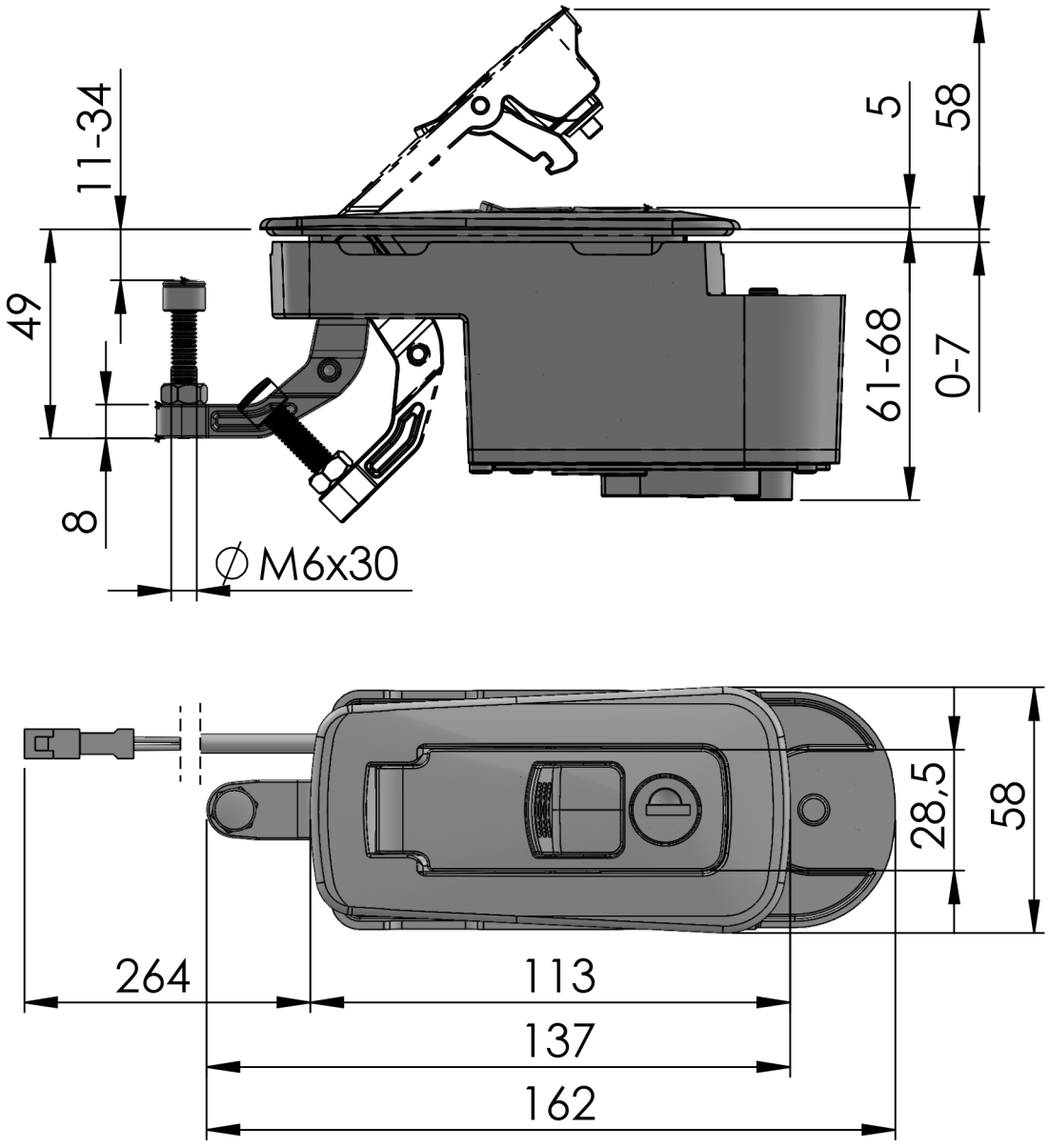
11-34
49
8
∅ M6x30
5
58
61-68
0-7
28,5
58
264
113
137
162