The SolBlock is an answer to a growing number of awkward installations where there are no top rails or transoms. Easily fitted within the bottom rail, it can be used on single or double action doors. The solenoid incorporates the latest design innovations to be applied to the manufacture of a transverse action deadlocking solenoid bolt. The unit has an integral microprocessor module providing power reduction, allowing for continuous operation without heat generation as well as automatic voltage regulation, dual monitoring and access control features. All this fitted to a 100mm or 76mm DORMA rail section (296mm long) allowing the installation to be carried out at the final stages and for easy maintenance. The strike plate hole however must be cleaned regularly as not to accumulate debris, which may cause the unit to malfunction. Power must be transferred to the Lock via the surface door loop supplied. These are not to be used for emergency exits, and the unit must not be come into contact with water. Please ensure that the rail section above the Solblock is siliconed to prevent ingress of water.

### Specification

**Solenoid Bolt**  
25mm(W) x 210mm(L) x 42mm(D) with radius ends.  
Back box 22mm(W) x 164mm(L) x 39mm(D).  
St/St 12.7mm Diameter bolt, linkages & springs.  
Bolt throw 14mm with automatic deadlocking  
Integral Door position sensor  
Fail safe as standard  
Mounted onto Dorma rail section 28mm x 296mm x (100mm)

**Strike Plate**  
St/St, 25mm(W) x 80mm(L) x 3mm(D).  
Integral Door position magnet

**Electronics**  
Protected by steel cover.

**Holding Force**  
1000kg.

**Supply Voltage**  
Dual: 12 to 24Vdc (-10% - +15%).

**Current Draw**  
On activation - 1050mA @ 12Vdc.  
Holding - 210mA @ 12Vdc (after 200ms).  
On activation - 900mA @ 24Vdc.  
Holding - 80mA @ 24Vdc (after 200ms).

**Dual Monitoring**  
Bolt position switch and Door position switch.

**Position Sensor**  
Solenoid has integral Dry reed contact and fixed magnet on strike plate.

**Lock Time Delay**  
Automatic unlock period – 8 Seconds.  
Multiple auto relock function.

**Door Gap**  
Maximum 8mm.

**Positioning**  
Bottom rail firing into the floor (maintenance required to clean debris from strike hole!)

**Finishes**  
Solenoid – St/St face plate and Black paint on electronics cover  
Strike plate – St/St  
Rail - Aluminium

### Ordering

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>CY301020</td>
<td>12/24Vdc Solenoid mounted into a 100mm rail section (300mm Long) C/W Strike plate &amp; surface door loop</td>
</tr>
<tr>
<td>CY301010</td>
<td>12/24Vdc Solenoid mounted into a 76mm rail section (300mm Long) C/W Strike plate &amp; surface door loop</td>
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