

# Gatelocks

## Types VL10, VL11, VL20, VL21, VL30, VL31

**Publication Number GL011/0618**

### Application

For use on lift landings, Dewhurst gatelocks are robustly designed dual-contact locks, with pre-locking features. The VL10/11/20 and VL21 are use with collapsible gates or sliding doors; the VL30/31 with single swing doors. The gatelocks are used in conjunction with a suitable retiring ramp (such as the Dewhurst Type FR21) and are adaptable for either right-hand or left-hand operation. This gatelock **cannot** be used in an explosive atmosphere.

**Note: VL11, VL21 and VL31**

Operation is in accordance with BS5655:Part1:1986 except for clause 7.7.3.1.1 and Appendix F1. For use as like-for-like replacement only, in accordance with BS5655:Parts 11 & 12:Clause 2.2.

### Operation

As the door(s) close(s) the beak enters the lock, engaging with an insulated cam carrying a self-aligning contact that completes a circuit when the beak reaches a closed position. This circuit is in series with the retiring ramp and a call for the lift immediately causes the ramp to withdraw, allowing the lever to fall forward so that the locking plate engages, locking the beak(s) in position. This action also makes a second circuit which is the actual control-circuit interlock of the lift controller.

### Type Approval

This new development of the VL10/20/30 locks is clearly identifiable by the moulded transparent polycarbonate covers and the transparent contact carrier. These are design improvements to the range implemented by Dewhurst plc to meet the B.S. Requirement that the lock contacts should be visible for insurance inspection purposes.

**The VL10/20/30 locks now comply with the requirements of BS EN81-20:2014 & BS EN81-50:2014 as per Lift Directive 2014/33/EU for Landing Door Locking Devices.**



**Note:** Metal covers are still available to order for the VL10/20/30 locks but locks with this option do not comply with BS EN81-20: 2015

### Construction

The lock is housed in a substantial, die-cast frame, enclosed at front and back by two captive screws. The VL10/20 and 30 Gatelocks beak and carriers are aluminium bronze castings, the VL11/21 and 31 Gatelocks beak and carriers are brass castings. The beak is chamfered for easy entry into the lock.

### Contacts

Contacts are self-aligning with self-cleaning action and have a positive knock-off feature.

### Electrical Rating - VL10/20/30 locks

2A @ 240V a.c., 0.7 power factor

1A @ 240V d.c., inductive load with a time constant of 100ms

**IP Rating:** IP20

### Weights

VL10 Gatelock	=	2.36kg	VL11 Gatelock	=	1.6kg
VL20 Gatelock	=	2.45kg	VL21 Gatelock	=	1.6kg
VL30 Gatelock	=	2.4kg	VL31 Gatelock	=	1.6kg

If you require installation instructions on our gatelocks please ask for the following publication numbers:

VL10 Gatelock	-	I1063	VL11 Gatelock	-	I1051
VL20 Gatelock	-	I1054	VL21 Gatelock	-	I1030
VL30 Gatelock	-	I1062	VL31 Gatelock	-	I1029