



- movable bollard M50, Impact load 1699 kJ (15.000lbs @ 50 mph)
Certified according to ASTM F2656-07 M50/P2
Raising approx. 5-6 sec, lowering approx. 3-4 sec
Emergency operation: bollard remains in raised position during power failure and can be lowered manually
Drive unit: 2.25 kW (nominal power), 400 V (three phase), 50 Hz
- control board in control box for wall installation inside a building, max. distance to bollard: 50 m
- optional: anti-terror push button
- optional: push button "Raise-Stop-Lower"
- flexible conduits Ø25 mm (by client, from bollard to control unit)
- conduit pipe nominal diameter 100 for drainage (by client)
- foundation with reinforcement, concrete min. C30/37 (reinforcement according to separate reinforcement plan)
Building ground for the foundation must allow for a soil pressure of 100 kN/m².
Conduit pipes and cables to be supplied by client.
- optional: Control cabinet for outdoor installation
HxWxD = 1000x800x400 mm (for control unit configuration Vario)
HxWxD = 1200x1200x400 mm (for control unit configuration Vario RO1)



Bollard configuration:

- Single unit
- Double unit
- Triple unit
- Quadruple unit
- Penta unit

Blocking element (Standard)

- RAL 6005
- RAL 7016
- RAL 7030
- RAL 7035
- RAL 9010

Top plate:

- Galvanised finish
- In RAL colour of blocking element
- Stainless steel (only in connection with stainless steel sleeve)

Blocking element (Optional):

- RAL _____
- Stainless steel sleeve with screwed on top plate

Cover plate:

- Galvanised finish
- In RAL colour of blocking element

Optional:

- Accumulator for Emergency Fast Operation (EFO): raising approx. 2-3 sec
- Rechargeable battery pack for RO1
- Heater
- Reed-Contacts Manipulation

UFO-Lighting optional:

- LED red
- LED white
- LED yellow

Access control equipment:

- _____
- _____
- _____
- _____

Control unit configuration:

- Standard
- Plus
- Vario
- Vario RO1

	Supply cable (by others)
Single bollard unit	NY-Y-J 5x4mm ²
Double bollard unit	NY-Y-J 5x4mm ²
Triple bollard unit	NY-Y-J 5x6mm ²
Quadruple bollard unit	NY-Y-J 5x10mm ²
Penta bollard unit	NY-Y-J 5x10mm ²

A	NY-Y-J	4x4mm ²	motor pump
B	NY-Y-J	4x1.5mm ²	valves
C	A2YF2Y	6x2x0.8mm ²	limit switches, reed-contacts (optional), pressure switch (optional)
D	NY-Y-J	3x1.5mm ²	UFO-lighting (optional)
E			heater (optional)
F	A2Y(L)2Y	4x2x0.8mm ²	reserve push button (optional)
G	A2Y(L)2Y	4x2x0.8mm ²	anti-terror push button (optional)

Customer: _____
 Project: _____
 Order - No.: _____ Pos. _____
Important:
 Filled out: date _____ name _____

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			1534.999 kg		
	Sloan Hydraulic Retractable Bollard HB-2050 M50/P2				
	SLOAN SECURITY GROUP				
last change:		part-No.		scale	
general tolerances acc. DIN ISO 2768-mK				1:10	
surface ISO 1302		dwg.-No.		dim. unit	
				mm	
draft		format		DIN A2	
design		revision		f	
replaces		Version FS Index 3			
origin					

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