

# E-VEVA 3



## Technical Specifications

<b>Motion</b>	Electrical - mechanical
<b>Passage Width x Height</b>	variable, length from 24m to 150m (modules of 6m)
<b>Opening or Closing Time</b>	Max. 10 minutes (min. 5 minutes)
<b>Lifting</b>	Approx. 60 sec.
<b>Moving</b>	Approx. 3 minutes
<b>Lowering</b>	Approx. 60 sec.
<b>Opening Method</b>	Horizontally
<b>Shape / size</b>	Step barrier H 90 cm; W top ....mm; W ground 100 cm Modules 6m length
<b>Weight</b>	Intermediate module 2000kg / Driven module 2500kg
<b>Containment Level</b>	H2
<b>Working Width</b>	W6
<b>Redundancy</b>	Hand operated in case of power and / or control failure
<b>Rittal cabinet specs</b>	LxWxH = 1800 x 900 x 1800mm IP 55 Protection standards class IK10 Impact Resistance rating

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## Environmental Specifications

<b>Ambient Temperature Range</b>	-20°C / +40°C
<b>Wind Speed</b>	While operating: < 24 m/s (Bft) While open: < 19 m/s
<b>Protection Class</b>	Minimal IP55
<b>Visual control</b>	Local operation / CCTV / min. 50 lux lighting at VEVA site

## Interface Specifications

<b>Input / Output: Standard</b>	Hardwired Potential Free Xon/Xoff on LSA (7 in, 7 Out)
<b>Extended</b>	Hardwired Potential Free Xon/Xoff on LSA (7 In, 14 Out)
<b>Power connection values</b>	Each VEVA cabinet (LCC) needs to get it's own individual power feed, 40A for each cabinet  Power feed needs to be TN-S earthing arrangement, 3-phase +N +PE  For heating/tracing purpose: minimum 1600 Watt per cabinet and 50-70 Watt per module  <i>· No RCCB in the power feed (If really needed by local regulations a minimum of 100mA type B!)</i>

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## Material / Aesthetic Specifications

<b>Body VEVA</b>	Steel S355J2+N
<b>Conservation</b>	Hot dip galvanized, conform NEN-EN-ISO 1461
<b>Attention Level</b>	Strip of black / white blocked retro reflecting tape; (other colours possible)  Acoustic by horn  Visual by flashlight
<b>Local Control Cabinet</b>	Stainless steel in RAL 7035
<b>Cable length</b>	Max. 90m from VEVA to control cabinet

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## Options

<b>Interface</b>	Remote I/O module
<b>Power Consumption</b>	400 VAC / CEE form male / No-break power supply
<b>Local Control</b>	From Control Cabinet or LCP (Local Control Panel)
<b>Remote Control</b>	Parent system - Interface consultancy – 4G modem
<b>Foundations</b>	Prefab concrete
<b>Temperature control</b>	Tracing
<b>Commissioning</b>	Supervision, adjustment and instruction
<b>Native ITS</b>	Adapting configuration
<b>Emergency power supply</b>	Ext. power supply (CEE form male) Separate power supply (No-break)

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## Norms / Certifications

<b>EN 1317-2 and -4</b>	Road restraint systems - Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers including vehicle parapets  Road restraint systems – Part 4: Performance classes, impact test, acceptance criteria and test methods, for terminals and transitions of safety barriers
<b>EN-ISO 1461</b>	Hot dip galvanized coatings on fabricated iron and steel articles. Specifications and test methods
<b>EN-ISO 12100-1</b>	Safety of machinery - Basic concepts, general principles for design - Part1 Basic terminology, methodology
<b>EN-ISO 12100-2</b>	Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles
<b>EN-ISO 14121-1</b>	Safety of machinery - Risk assessment - Part 1: Principles
<b>EN-IEC 60204-1</b>	Safety of machinery - Electrical equipment of machines – Part 1: General requirements
<b>EN-IEC 62061</b>	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems
<b>2006/42/EG</b>	Machine Directive