

Verification documentation according to EN ISO 12100

for

E-Bike Reihenanlage

421_20HE
421_20HBE
421_40HE
421_40HBE

Evidence documentation for risk assessment for E-Bike row system

Official language

The risk assessment documents were written in English language.

General description of the product

Technical Data

421_20H(B)E:

Parameter	Unit	Value
Length (L)	[cm]	70
Width (B)	[cm]	48,5
Height (H)	[cm]	79,5

421_40H(B)E:

Parameter	Unit	Value
Length (L)	[cm]	140
Width (B)	[cm]	48,5
Height (H)	[cm]	79,5

Elektrics

Parameter	Unit	Value
AC voltage (U)	[V]	230

Mechanics

421_20H(B)E:

Parameter	Unit	Value
Mass(m)	[Kg]	14

421_40H(B)E:

Parameter	Unit	Value
Masse (m)	[Kg]	27

Application area

- Outdoor areas

Components

- Assemblies of welded tubes
- Welded frame for bolting to the installation site
- Cable connector for connecting to the local power grid
- Protective contact socket, 230V socket

Hazard Areas / Hazard Zones

HZ1: Screw / terminal contacts

HZ2: Schuko Socket (Grounded Outlet)

Hazard Areas / Hazard Zones 1: Splicing Connectors (Terminal Contacts)

Description:

During the installation of the e-bike row system, the stripped conductors of the local power grid must be connected to the product's cable connector.

Personnel at risk:

Qualified electrician / Installation technician.

Initial risk assessment (before safety measures):

Injury due to electric shock.

Safety measures:

Disconnect the power supply for the line being installed and ensure it cannot be switched back on before starting the installation.

Hazard Areas / Hazard Zones 2: Schuko Socket (Grounded Outlet)

Description:

The e-bike row charging system contains two or four sockets with an IP54 protection rating. The sockets bear the CE mark.

Personnel at risk:

Any person using the e-bike row charging system.

Initial risk assessment (before safety measures):

Injury due to electric shock.

Safety measures:

A spring-loaded hinged cover protects users from accidental contact with live parts.