QUESTIONNAIRE VKS10 (1/2)

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Please fill out the following questionnaire in order to determine which conductor bar system is right for your application. Copy / print this page, fill out the questionnaire, and send it to your VAHLE experts. Please attach sketches to enable us to prepare a quotation.

Company Information

Company Name

Address

State ZIP

Technical Planning Contact Person

Contact Person

Email Address

Phone Number

Project Timeline (MM/DD/YY or MM/YY)

Quote Deadline Delivery Deadline

Installation Start ☐ Weekdays

Installation Finish ☐ Weekends, Holidays

Purchasing Contact Person

Contact Person

Email Address

Phone Number

System Information

☐ New Application ☐ Replacement ☐ Add on existing system

Application Type (i.e. AS/RS, Floor Track System, Lift)

Total System Length ☐ m ☐ ft

Installation Height from Facility Floor or Support ☐ m ☐ ft

Support Profile VTP10 is required (see page 5 of VKS10 catalog) ☐ Yes ☐ No

Hanger step preferred (see page 5 of VKS10 catalog) ☐ m ☐ ft

Maintenance zone(s), sketches required if ☐ Yes ☐ No

Number of Poles Total

No. of Phase Conductors

No. of PE/Ground Conductors

No. of Conductors for Data Communication / Signals

Conductors Orientation:

☐ Facing sideways ☐ Facing downwards

Max. Travel Speed **straight** ☐ m/min ☐ ft/min

Max. Travel Speed **curves** ☐ m/min ☐ ft/min

Max. Travel Speed **transfers** ☐ m/min ☐ ft/min

Acceleration ☐ m/s^2 ☐ ft/s^2

Acceleration time, s

Power Requirements

Power Volt Hz

Type of Current ☐ 3-phase ☐ AC ☐ DC

Max. Voltage Drop (i.e. 3%) %

Power Consumers (Machines)

Duty Cycle % (DC, ED) %

Power consumption of each machine hp, A, kW

Type of motors (usually frequency controlled)

No. of machines in one track

If detailed motor information is available, please specify below

For the calculation, it is important to consider engines that can operate simultaneously. This helps to calculate and quote the optimal system.

Machine type 1. Information about motors kW, Amperes **or** hp.

	Motor name	Motor power	hp, Amp, kW	Type of Motors
1				
2				
3				

example: Motor 1 main load, motor 2 main travel, motor 3 cross travel
if you have different machines in one track, please specify in additional info.

Please send us the form after it is filled out to receive a free quote.

QUESTIONNAIRE VKS10 (2/2)

Environment Requirements (indoor only)

☐ Indoor ☐ Cold Storage ☐ Freezer (up to -30 °C / -22 °F)

Ambient Temperature min. ____ max. ____ ☐ °C ☐ °F

Temperature while Installation ~ ____ ☐ °C ☐ °F

Relative Humidity % ____ at Temp.: ____ ☐ °C ☐ °F

Oxygen % ____ at Oxygen reduced atmosphere

Characteristics of Construction

Expansion gaps:	expansion distance	gap dimentions		
Track expansion gaps			☐ mm	☐ inch
Building expansion gaps			☐ mm	☐ inch

Line feed cables main current (i.e. 4G6 or 4x6)		X	sq.mm.
Switches / Transfers cables main current (i.e. 4G4 or 4x4)		X	sq.mm.
Feeds and Transfers cables control current (i.e. 4G2.5 or 4x2.5)		X	sq.mm.

Additional Notes about the Environment

Specific Building Features

If using Positioning System and/or Data Transfer:

Positioning system type:

☐ VAHLE APOS Optic/Magnetic

☐ WCS 3

☐ BCB (Barcode Band)

comments

Communication system type:

Utilizing protected profile

☐ VAHLE SMGM

Utilizing conductor system

☐ VAHLE POWERNET

☐ Semo-Wave only with VAHLE vDRIVE

☐ CAN-BUS only with VAHLE vDRIVE

Scope of Supply

Deinstallation of old systems	☐ Yes	☐ No
Installation of new systems	☐ Yes	☐ No
The entire track length is freely traversible	☐ Yes	☐ No

Additional Information