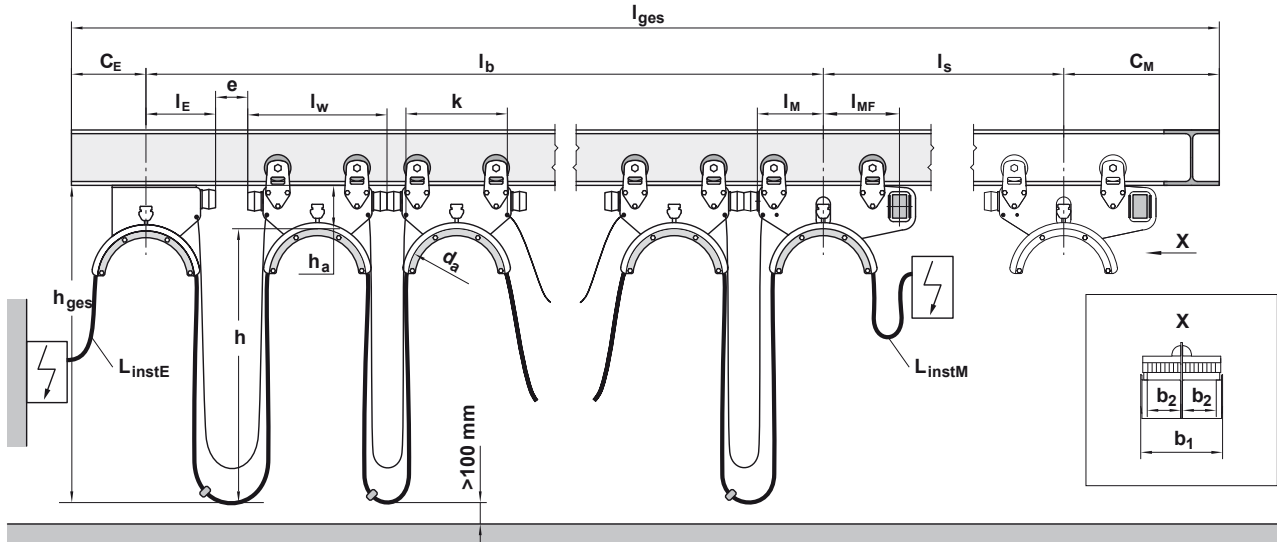
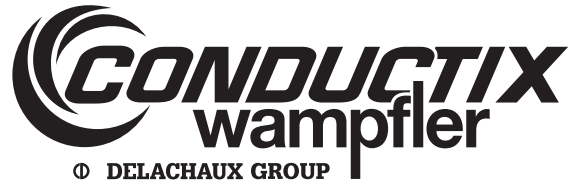


Questionnaire | Specification Data
Motorized Festoon Systems
 for I-Beams



Crane Parameters

- Crane type _____
- Place of installation _____
- Travel speed _____ [m/min]
- Acceleration _____ [m/s²]
- Operation _____ [h/day]
- Beam size / standard _____ / _____
- Fixing method I-beam at the crane _____
- Towing trolley yes • Towing clamp yes
- Travel distance l_s _____ [m]
- Permissible storage length l_b _____ [m]
- Max. permissible cable loop h_{ges} _____ [m]
- Installation length end clamp L_{instE} _____ [m]
- Installation length towing clamp L_{instM} _____ [m]
- Max. permissible trolley width b_{1max} _____ [mm]

Operating Conditions

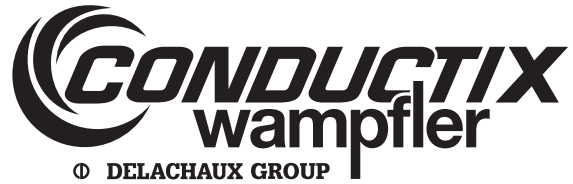
- Site indoors outdoors port tropics subtropics
- Degree of pollution little medium strong
- Aggressive media yes no
 Type _____
 Concentration _____
- Ambient Temperature min _____ [°C] max _____ [°C]
- Humidity _____ [%]
- Perm. wind speed whilst crane operation _____ [m/s]

Special Design | Accessories

- Trolley motors three phase current AC direct current DC
 If AC current motors:
 screened separate motor supply cables and separate control cables
 one common cable for all motors and control unshielded
- Wind protection devices for towing ropes yes no
- Cable organizers for cable loops yes no
- Cable clamps yes no
- Pre-assembly requested yes no

Questionnaire | Specification Data

Motorized Festoon Trolley Control Interface Checklist



Controls

- No. of controls ___ for motorized festoon syst. with 2 3 cable trolleys
- Supplier of crane control Siemens ABB GE Others
- Contact person E-engineering _____
Phone: _____ E-Mail: _____

Power Supply by customer

- Main Power Supply: Frequency converter drive 3Ph+PE
 Earthed Isolated
 Voltage: 230 V 110 V ___V
 Frequency: 50 Hz 60 Hz
- Control Power Supply: AC 1Ph+N+PE und 24V DC
 Voltage: 230 V 110 V ___V
 Frequency: 50 Hz 60 Hz
- Heater Power Supply: AC 1Ph+N+PE
 Voltage: 230 V 110 V ___V
 Frequency 50 Hz 60 Hz

Panel Design

- Panel: Closed panel Mounting plate
 Supplier: Rittal Others _____
 Width: 800 mm ___ mm (see options)
 Height: 2000 mm ___ mm (see options)
 Depth: 600 mm ___ mm (see options)
 Location: Airconditioned electric room
 Nameplate for panel: Supplied by customer

- Wiring: Wire size according to: Color code according to:
 DIN VDE / IEC DIN VDE / IEC
 Others (see options) Others (see options)

- Wire identification: Terminal number
 None
 Others (see options)

- Labeling of equipment: Designation acc. to circuit diagram
 Function text (see options)

Standards, Norms and Interface

- Standards and norms:
 DIN VDE/IEC UL Others: _____

- Documentation:
 English German

- Type of control:
 Standard Customer specific

- Interface to crane PLC:
 Software implementation into crane PLC
 Profibus with I/O Others: _____
 Potential free contacts 230 V AC 110 V AC 24 V DC

- PLC-Type:
 Siemens S7-300/400 ABB AC800M GE RX3i
 Others: _____

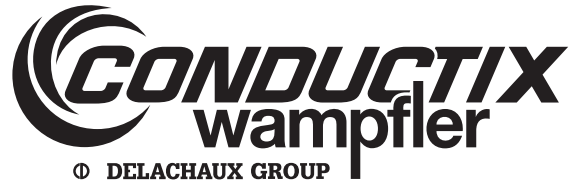
Options according price list

- For standard related controls available _____
 For customer related controls available _____
- Customer related circuit diagram •
 - Wiring size or color code according to customers specification •
 - Wire identification according to customers specification • •
 - Function text for control equipmentk • •
 - Color of panel according to customers specification • •
 - Siemens panel type 8MF •
 - Filter for EMC limit acc. category 2 of EN 61800-3 • •
 - Relay interface • •
 - Transformer for AC/DC control voltage •
 - Power supply voltage > 480VAC • •
 - Control panel according to UL •
 - Warranty period 36/42 months after implementation I delivery • •

All options are subjects to additional costs!

Questionnaire | Specification Data

Motorized Festoon Systems for I-Beams



Cables

Please prepare **by all means** a table with all data and lengths of the required cable package!

- Shall the cables be quoted? yes no (cables are supplied by the customer)

		Cable 1	Cable 2	Cable 3	Cable 4	Cable 5
Cable Designation						
Number of cores						
Cross section [mm ²]						
Length [m/ piece]						
Piece						
Cable type	flat					
	round					
Sheath Material	rubber					
	PVC					
	PUR					
	others					
Earth conductor	yes					
	no					
Screen	yes					
	no					

Required Documentation (hardcopies / digital)

_____	_____	_____
_____	_____	_____
_____	_____	_____

Special packaging

_____	_____	_____
_____	_____	_____
_____	_____	_____

Further Comments / Remarks

_____	_____	_____
_____	_____	_____

Customer Data

Company: _____ Customer-No.: _____

FAO: _____

Address: _____

Phone: _____ Fax: _____

E-Mail: _____