Base Load Power Hub (BLPH)

B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

Document Number: 1724000049-EL-LIS-00044

ROSETTI MARINO

1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED

NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.

Sign	Date
M. Gatti	05-02-25

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ALEXSISTEMI

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Revision / Change Log

Rev.	Description
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None

1 INTRODUCTION

1.1 PROJECT OVERVIEW

Crosswind, a Shell and Eneco joint venture, was awarded the tender to develop the offshore Hollandse Kust Noord (HKN) wind farm, located 18.5km off the coast of Netherlands near the town of Egmond aan Zee. The consortium plans to have HKN operational in 2023 with an installed capacity of 759MW generating at least 3.3TWh per year. This is sufficient renewable power to supply more than 1 million Dutch households with green electricity.

Offshore wind farms produce intermittent electricity and balancing these dips and peaks and integrating this electricity into the national energy system requires new technologies. For this reason, the offshore wind farm will include several new technologies that could be implemented at full-scale in the future. The new technologies being explored include a floating solar park, a short-duration battery storage as well as long-term storage via green hydrogen produced by water electrolysis and subsequently consumed in a fuel cell. The combination of these individual measures, herein referred to as the Base Load Power Hub (BLPH) will ensure a continuous power supply regardless of the wind situation.

1.1.1 Project Location

The Hollandse Kust Noord (HKN) wind farm is located 18.5km off the coast of the Netherlands near the town of Egmond aan Zee.

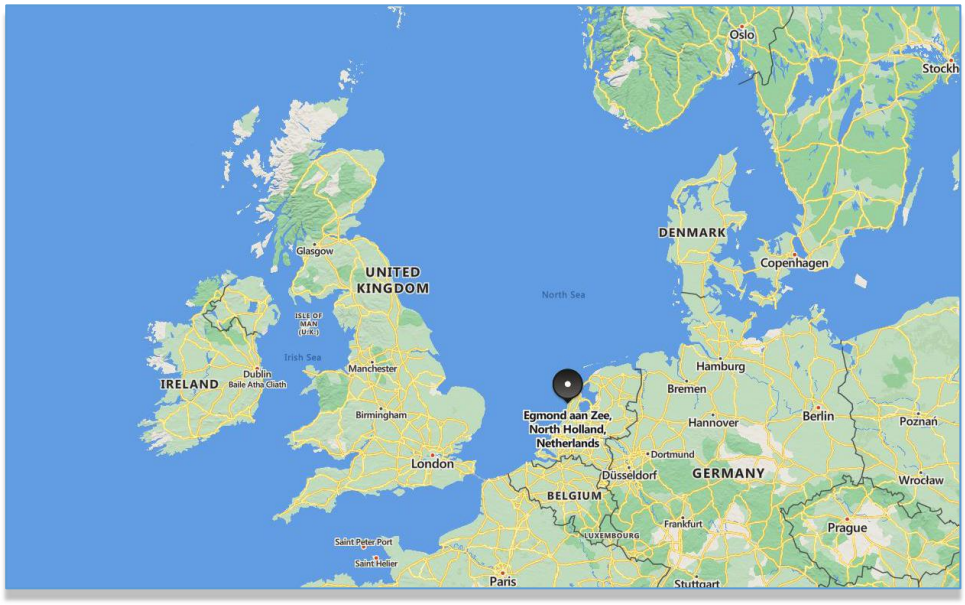


Figure 1 HOLLANDSE KUST NOORD WIND PARK Location Map



Figure 2 - Wind Park Details

The wind farm will consist of No. 69 x 11.5MW wind turbine generators each to be installed on a dedicated monopile structure. A 70th monopile located on coordinates E 590719.1, N 5841602.3 is reserved for installing the platform accommodating the BLPH. The monopile structure was designed and installed by Van Oord Offshore Wind (VooW) and therefore not part of the BLPH scope.

1.1.2 Project Concept

All components included in the BLPH will be integrated onshore on a topsides and installed in an offshore location within the boundaries of the HKN wind farm. At its simplest, the BLPH will store energy during periods of high electricity generation from renewable sources (a wind turbine generator and the floating solar PV farm) and release it during periods of low generation. In practice. It is expected that the energy stored will supplement generation from renewable sources to ensure that at least 1.0MW of power is exported to the electrical grid regardless of wind/solar availability.

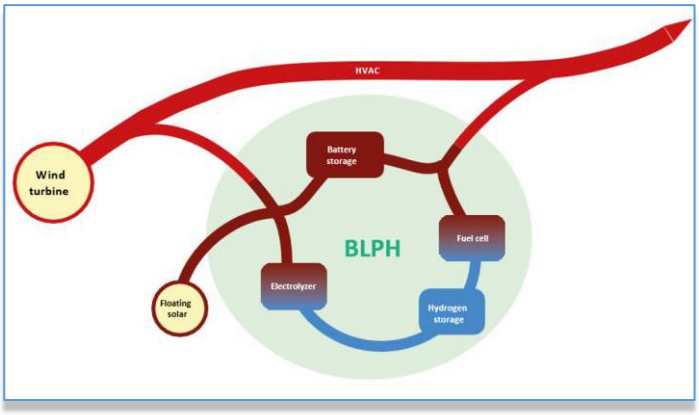


Figure 3 – BLPH Concept

Electricity in the BLPH will be stored in the form of electrons in a battery energy storage system (BESS) as well as converted into green hydrogen via water electrolysis. When the power output from the connecting

wind turbine drops to below 1 MWe, the BLPH will return its stored energy to supplement the remaining power output. This will be by discharging the BESS, while stored hydrogen will be converted back into electricity using a fuel cell to extend the discharge duration.

The purpose of the BLPH s to function as a testbed for the integration of energy storage technologies with renewable generation. It is expected that equipment installed on the BLPH will operate as Normally Unmanned Installation for at least two (2) years with no or minimal maintenance and it will have its own independent control room with the ability to communicate with Crosswind's control room.

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2 DOCUMENT SCOPE

This document provides the data sheet and information of electrical components supplied by Alex Sistemi

2.1 REFERENCES

Doc. No.	Description

Table 1 - Reference Documents

2.2 DEFINITIONS AND ABBREVIATIONS

COMPANY or Client (CPY):	Crosswind
CONTRACTOR (CTR):	ROSETTI MARINO S.p.A.
PROJECT:	HOLLANDSE KUST NOORD WIND PARK Project

Table 2 - Definitions and Abbreviations

3 ELECTRICAL COMPONENTS LIST

3.1 LIST

Item	Description	Grade	Manufacturer	Line	Model	B-200
1	Light switch 10A	IP66	Scame	Protecta	1.375.012	2
2	Socket schuko 16A	IP66	Scame	Protecta	1.376.404	1
3	Two lamp LED	IP66	Disano	Echo	164704-00	2
4	Two lamp LED + Energy Saving	IP66	Disano	Echo	164704-07	1
5	Feed unit 40A Left or Right mount	IP55	Schneider	Canalis	KBB40ABG44W	1
6	Straight distribution lenghts 25A - 3mt	IP55	Schneider	Canalis	KBB25ED42305W	1
7	Straight distribution lenghts 40A - 2mt	IP55	Schneider	Canalis	KBB40ED42203W	2
8	10A Tap-off unit	IP55	Schneider	Canalis	KBC10DCB40	3

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4 DATA SHEET

4.1 LIGHT SWITCH 10A

EN - 20 May 2024

SCAME

137.5012

SP ONE WAY SWITCH
SP ONE WAY SWITCH 20AX
M95(95x95mm)



DIRECTIVE RoHS 2011/65/EU

Commercial Series	PROTECTA Series
Synthetical description	SP ONE WAY SWITCH
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	20AX
Rated voltage	250V

PHYSICAL CHARACTERISTICS

Mounting version	SURFACE MOUNTING
Protection degree	Splash proof
Protection degree IP	IP66
Material	THERMOPLASTIC
Working temperature	-20°C/+60°C
Protection degree IK	IK07
Warning light	WITH NEON

DIMENSIONAL CHARACTERISTICS

N.° modules	1 GANG
Dimensions	M95(95x95mm)

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Technical drawing [PDF]
Technical drawing [DWG]
Technical drawing [STP]
Instruction manual

www.scame.com
scame@scame.com

SCAME PARRE S.p.A
Via Costa Erta, 15 - 24020 Parre (BG) Italy - +39 035 705000

4.2 SOCKET SCHUKO 16A

EN - 20 May 2024

SCAME

137.6404

ITALIAN P30 STANDARD SOCKET ITALIAN P30 STANDARD SOCKET 16A M95(95x95mm)



CEI 23-50 (2006)
DIRECTIVE RoHS 2011/65/EU

Commercial Series	PROTECTA Series
Synthetical description	ITALIAN P30 STANDARD SOCKET
Type	ITALIAN P30
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	16A
Rated voltage	250V

PHYSICAL CHARACTERISTICS

Mounting version	SURFACE MOUNTING
Protection degree	Splash proof
Protection degree IP	IP66
Material	THERMOPLASTIC
Working temperature	-20°C/+60°C
Protection degree IK	IK07

DIMENSIONAL CHARACTERISTICS

Dimensions	M95(95x95mm)

DOWNLOAD

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Technical drawing [STP]
Instruction manual

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4.3 TWO LAMP LED

927 - Echo - two lamp LED - Energy Saving

Code: 164704-00





Disano's watertight fixtures are built from the company's extensive experience, skill and reliability as a global leader in the manufacturing of specialised lighting products. These basic features have contributed to the success of Disano's watertight fixtures over the years. The lamp's body is made of shatter-proof polycarbonate, with an IP66 protection, and high mechanical strength due to the structure reinforced by internal ribs. Installation is made easy thanks to the stainless steel bracket supplied as standard for ceiling mounting, while the spring hook allows quick attachment to any chain suspension system. Moreover, special toothed guides allow the perfect alignment of fixtures mounted in a continuous row.
In addition to these basic features you will find all the advantages of the LED technology, i.e. light sources with a very long service life, low power consumption and great light quality. The polycarbonate WATERTIGHT FIXTURES have an IP66IK08 rating when installed in environments with temperatures not exceeding 45 °C. Direct exposure to sunlight may exceed 45 °C, compromising the protection rating. However, it is advisable to use them appropriately without altering their mechanical and protective qualities (IP66IK08) and not to install them on surfaces subject to strong vibration, or exposed to atmospheric agents, outdoors on ropes or poles, on walls, under metal gratings or directly exposed to sunlight. If this is not possible, use the steel watertight fixturess instead.

GENERAL INFORMATION

Article	927 - Echo - two lamp LED - Energy Saving
Code	164704-00

DIMENSIONS AND WEIGHT

Length (mm)	1300 mm
Width (mm)	152 mm
Height (mm)	102 mm
Weight (Kg)	2.260 kg

ELECTRICAL CHARACTERISTICS AND CONTROLS

Voltage type	AC
Min Voltage (V)	220 V
Max Voltage (V)	240 V
Min Frequency (Hz)	50 Hz
Max Frequency (Hz)	60 Hz
Frequency (Hz)	50 Hz
Wiring name	CLD
Power factor	≥0.9
Insulation class	Class I
Controllability	None

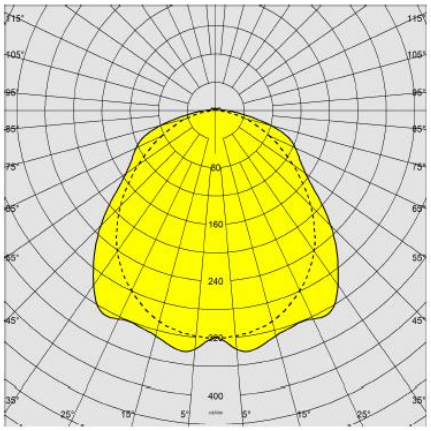
disano illuminazione

1

Please contact the Consulting and Design Centre for any technical information. The reported luminous flux is the flux emitted by the light source with a tolerance of ± 10% compared to the indicated value. The total wattage absorbed by the system will not exceed 10% of the reported value. Technical lighting data may be subject to changes and improvements due to the fast evolution of the technology. Saturday, June 15, 2024

927 - Echo - two lamp LED - Energy Saving

Code: 164704-00



PHOTOMETRIC DATA

Lighting source	LED
CRI	≥80
Luminous flux (output) (lm)	5737 lm
Power absorption (total) (W)	32 W
CCT	4000 K
Luminous efficacy (lm/W)	179 lm/W
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
Colour consistency	SDCM3
LED flux maintenance	80000 hr, L 80, B 20

MECHANICAL CHARACTERISTICS

Impact resistance rating (IK)	IK08
IP	66
Ambient temperature - min	-30 °C
Ambient temperature - max	40 °C

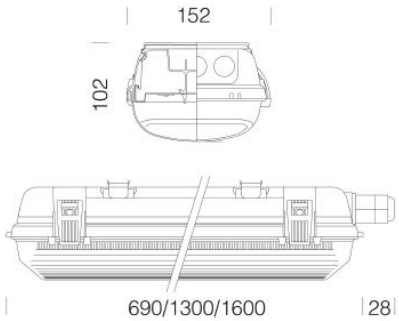
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927 - Echo - two lamp LED - Energy Saving

Code: 164704-00



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MOUNTS

AssemblyInstructions Echo 09-23.pdf

DESIGNS

TechnicalDrawing echobila.dxf

MATERIALS AND COLOURS

Housing	injection-moulded, made of grey RAL 7035 polycarbonate, shatterproof, UV-stabilised, with high mechanical strength thanks to the structure reinforced by internal ribs.
Optics	galvanised steel pre-painted in oven with white polyester resin, UV-stabilised. Fastened to the body with a quick coupling by means of a device machined directly on the body.
Diffuser	injection-moulded in polycarbonate with internal grooves for greater light control, self-extinguishing V2, UV-stabilised, smooth outer finish to enable easy cleaning for maximum light efficiency.
Colour	Grey
Equipment	- sealing gasket in eco-friendly, anti-aging expanded polyurethane foam - ceiling mounting brackets and suspension hook in stainless steel - plug-socket connector - snap hooks and safety screws in stainless steel
	ATTENTION ! Do not install on surfaces subject to strong vibrations, outdoors on hanging cables, or on walls under metallic grates, or on poles, and in any case, never expose the fixture to direct sunlight. Check the compatibility between the material constituting the product and the space where it will be installed. We recommend the use of fixtures made of steel with direct exposure to sunlight.

STANDARDS AND COMPLIANCE

Photobiological safety class	RG0
Markings and tests	CE, ENEC
Reference standards	EN60598-1. With degree of protection according to EN60529. The lighting fixture meets all IFS and BRC requirements, and the regulation of the HACCP Directive regarding lighting systems installed in food processing plants.
Laboratory Tests	- the UL 94 Standard is considered a reference for rating the ignition characteristics of plastic materials. The watertight fixtures are made of V2 class material that self-extinguishes in 25 seconds. - passes the Glow Wire Test at 850 °C.
Energy Label	C

GEAR

Upon request	- version with wire feedthrough, dimmable. - narrow beam version (subcode 22) - radar sensor, subcode -19 - Always On Emergency, subcode -07 (always on, 60 min charge)

WARRANTY

After sales warranty	5 yr

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3

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4.4 TWO LAMP LED + ENERGY SAVING

927 - Echo - two lamp LED - Energy Saving

Code: 164704-07





Disano's watertight fixtures are built from the company's extensive experience, skill and reliability as a global leader in the manufacturing of specialised lighting products. These basic features have contributed to the success of Disano's watertight fixtures over the years. The lamp's body is made of shatter-proof polycarbonate, with an IP66 protection, and high mechanical strength due to the structure reinforced by internal ribs. Installation is made easy thanks to the stainless steel bracket supplied as standard for ceiling mounting, while the spring hook allows quick attachment to any chain suspension system. Moreover, special toothed guides allow the perfect alignment of fixtures mounted in a continuous row.
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GENERAL INFORMATION

Article	927 - Echo - two lamp LED - Energy Saving
Code	164704-07

DIMENSIONS AND WEIGHT

Length (mm)	1300 mm
Width (mm)	152 mm
Height (mm)	102 mm
Weight (Kg)	2.940 kg

ELECTRICAL CHARACTERISTICS AND CONTROLS

Voltage type	AC
Min Voltage (V)	220 V
Max Voltage (V)	240 V
Min Frequency (Hz)	50 Hz
Max Frequency (Hz)	60 Hz
Frequency (Hz)	50 Hz
Wiring name	CLD-E
Power factor	≥0.9
Insulation class	Class I
Controllability	None

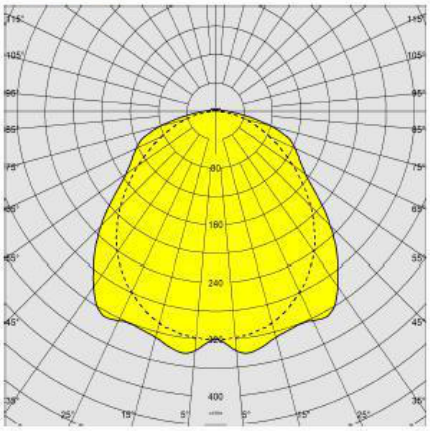
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927 - Echo - two lamp LED - Energy Saving

Code: 164704-07



PHOTOMETRIC DATA

Lighting source	LED
CRI	≥80
Luminous flux (output) (lm)	5737 lm
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CCT	4000 K
Luminous efficacy (lm/W)	179 lm/W
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
Colour consistency	SDCM3
LED flux maintenance	80000 hr, L 80, B 20

MECHANICAL CHARACTERISTICS

Impact resistance rating (IK)	IK08
IP	66
Ambient temperature - min	5 °C
Ambient temperature - max	40 °C

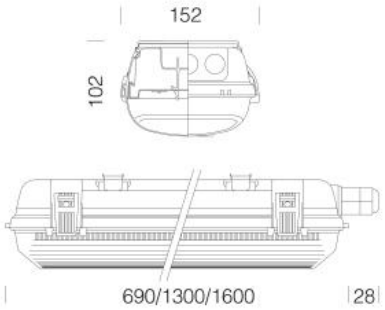
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2

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927 - Echo - two lamp LED - Energy Saving

Code: 164704-07



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MOUNTS

AssemblyInstructions Echo 09-23.pdf

DESIGNS

TechnicalDrawing echobila.dxf

MATERIALS AND COLOURS

Housing	injection-moulded, made of grey RAL 7035 polycarbonate, shatterproof, UV-stabilised, with high mechanical strength thanks to the structure reinforced by internal ribs.
Optics	galvanised steel pre-painted in oven with white polyester resin, UV-stabilised. Fastened to the body with a quick coupling by means of a device machined directly on the body.
Diffuser	injection-moulded in polycarbonate with internal grooves for greater light control, self-extinguishing V2, UV-stabilised, smooth outer finish to enable easy cleaning for maximum light efficiency.
Colour	Grey
Equipment	- sealing gasket in eco-friendly, anti-aging expanded polyurethane foam - ceiling mounting brackets and suspension hook in stainless steel - plug-socket connector - snap hooks and safety screws in stainless steel
	ATTENTION ! Do not install on surfaces subject to strong vibrations, outdoors on hanging cables, or on walls under metallic grates, or on poles, and in any case, never expose the fixture to direct sunlight. Check the compatibility between the material constituting the product and the space where it will be installed. We recommend the use of fixtures made of steel with direct exposure to sunlight.

EMERGENCY LIGHTING

Type of emergency	S.A.
Battery life-recharge	1h

STANDARDS AND COMPLIANCE

Photobiological safety class	RG0
Markings and tests	CE, ENEC
Reference standards	EN60598-1. With degree of protection according to EN60529. The lighting fixture meets all IFS and BRC requirements, and the regulation of the HACCP Directive regarding lighting systems installed in food processing plants.
Laboratory Tests	- the UL 94 Standard is considered a reference for rating the ignition characteristics of plastic materials. The watertight fixtures are made of V2 class material that self-extinguishes in 25 seconds. - passes the Glow Wire Test at 850 °C.
Energy Label	C

GEAR

Upon request	- version with wire feedthrough, dimmable. - narrow beam version (subcode 22) - radar sensor, subcode -19 - Always On Emergency, subcode -07 (always on, 60 min charge)

WARRANTY

After sales warranty	5 yr

disano illuminazione

3

Please contact the Consulting and Design Centre for any technical information. The reported luminous flux is the flux emitted by the light source with a tolerance of ± 10% compared to the indicated value. The total wattage absorbed by the system will not exceed 10% of the reported value. Technical lighting data may be subject to changes and improvements due to the fast evolution of the technology. Saturday, June 15, 2024

4.5 FEED UNIT 40A LEFT OR RIGHT MOUNTING

Product datasheet

Specifications



FEED UNIT 40A LEFT OR RIGHT MOUNTING

Local distributor code:
23348079 KBB40ABG44W

EAN Code: 3606480001062

Main

Range of product	Canalis
Device short name	KBB
Product compatibility	Canalis KBB busbar trunking 25...40 A
Offer type	Classic Control system
product or component type	Feed unit
Conductors material	Aluminium
[Ie] rated operational current	40 A 25 A
[Ue] rated operational voltage	230...400 V
Number of circuits	2
busbar trunking polarity	3L + N + PE L + N + PE
Protection type	Without protection
Control type	Communicating
Communication port protocol	DALI
Colour	White (RAL 9003)

Complementary

Provided equipment	End cover
mounting location	Left
mounting mode	By clips
mounting support	Busbar
Connections - terminals	Terminal block - Pg 21 - screw clamp connector for 6...10 mm²
Width	244 mm
Depth	103.5 mm
Height	75.5 mm
net weight	400 g
Standards	IEC 61439-6

Environment

IP degree of protection	IP55 conforming to IEC 60529

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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.0 cm
Package 1 Width	11.0 cm
Package 1 Length	27.0 cm
Package 1 Weight	700.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.556 kg
Unit Type of Package 3	P06
Number of Units in Package 3	96
Package 3 Height	75.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	75.7 kg

Contractual warranty

Warranty	18 months

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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	
Halogen Free Product	

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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4.6 STRAIGHT DISTRIBUTION LENGHTS 25A – 3METERS

Product datasheet

Specifications



Straight length, Canalis KBB, 25 A, 2 circuits 3L+N+PE and L+N+PE, 5 tap-off units, 3 m, white

Local distributor code:
23346767 KBB25ED42305W

EAN Code: 3606480000805

Main

Range of product	Canalis
Device short name	KBB
Offer type	Classic Control system
product or component type	Straight length
Busbar description	Distribution length
Device application	Lighting Power socket distribution
[Ie] rated operational current	25 A at 35 °C
[Ue] rated operational voltage	230...400 V
Network frequency	50/60 Hz
busbar trunking polarity	3L + N + PE L + N + PE
Number of circuits	2
Number of tap-off outlets	5
Control type	Communicating
Communication port protocol	DALI
mounting mode	By screws

Complementary

[Uimp] rated impulse withstand voltage	4 kV
[Ui] rated insulation voltage	690 V
[Icw] rated short-time withstand current	0.44 kA
[Ipk] rated peak withstand current	4.4 kA
Thermal stress limit	195 kA².s
Maximum radiated magnetic field	2 pT
THDI	0...15 % 25 A 15...33 % 20 A 33...100 % 16 A
Maximum voltage drop	<0.72 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.67 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.61 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.55 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Standards	EN/IEC 61439-6 EN/IEC 61439-1

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Width	30 mm
Height	46 mm
Length	3 m
Colour	White (RAL 9003)
net weight	4.7 kg

Environment

IP degree of protection	IP55 conforming to EN/IEC 60529
IK degree of protection	IK06 conforming to EN/IEC 62262
Ambient air temperature for operation	0…35 °C (100 % of In) 35…40 °C (96 % of In) 40…45 °C (93 % of In) 45…50 °C (89 % of In) 50…55 °C (85 % of In)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	6.000 cm
Package 1 Length	310.000 cm
Package 1 Weight	5.000 kg
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	13.000 cm
Package 2 Width	16.500 cm
Package 2 Length	314.500 cm
Package 2 Weight	31.000 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	72
Package 3 Height	52.000 cm
Package 3 Width	63.000 cm
Package 3 Length	318.000 cm
Package 3 Weight	430.500 kg

Contractual warranty

Warranty	18 months

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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

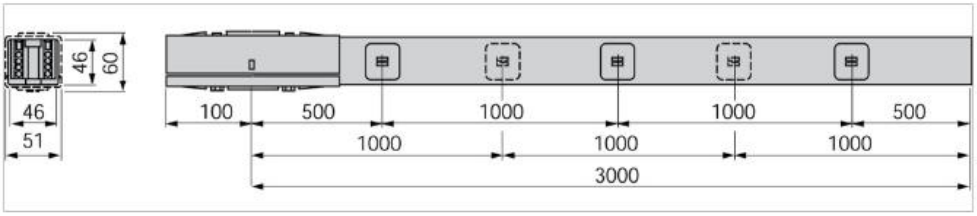
Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	
Halogen Free Product	

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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Product datasheet KBB25ED42305W

Dimension Drawings



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4.7 STRAIGHT DISTRIBUTION LENGHTS 40A – 2METERS

Product datasheet

Specifications



Straight length, Canalis KBB, 25/40A, 2 circuits, 3L+N+PE/ L+N+PE, compatible DALI, 3 outlets, 2m, white RAL9003

KBB40ED42203W

Main

Range of product	Canalis
Device short name	KBB
Offer type	Classic Control system
product or component type	Straight length
Busbar description	Distribution length
Device application	Lighting Power socket distribution
[Ie] rated operational current	40 A at 35 °C 25 A at 35 °C
[Ue] rated operational voltage	230...400 V
Network frequency	50/60 Hz
busbar trunking polarity	3L + N + PE L + N + PE
Number of circuits	2
Number of tap-off outlets	3
Control type	Communicating
Communication port protocol	DALI
mounting mode	By screws

Complementary

[Uimp] rated impulse withstand voltage	4 kV
[Ui] rated insulation voltage	690 V
[Icw] rated short-time withstand current	0.94 kA
[Ipk] rated peak withstand current	9.6 kA
Thermal stress limit	900 kA².s
Maximum radiated magnetic field	2 pT
THDI	0...15 % 40 A 15...33 % 32 A 33...100 % 28 A
Maximum voltage drop	<0.3 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.28 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.25 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.22 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Standards	EN/IEC 61439-6 EN/IEC 61439-1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Width	30 mm
Height	46 mm
Length	2 m
Colour	White (RAL 9003)
net weight	3.8 kg

Environment

IP degree of protection	IP55 conforming to EN/IEC 60529
IK degree of protection	IK06 conforming to EN/IEC 62262
Ambient air temperature for operation	0…35 °C (100 % of In) 35…40 °C (96 % of In) 40…45 °C (93 % of In) 45…50 °C (89 % of In) 50…55 °C (85 % of In)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	210.000 cm
Package 1 Length	5.000 cm
Package 1 Weight	3.500 kg
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	13.500 cm
Package 2 Width	16.000 cm
Package 2 Length	215.000 cm
Package 2 Weight	24.000 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	72
Package 3 Height	51.000 cm
Package 3 Width	220.000 cm
Package 3 Length	64.000 cm
Package 3 Weight	302.000 kg

Contractual warranty

Warranty	18 months

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Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

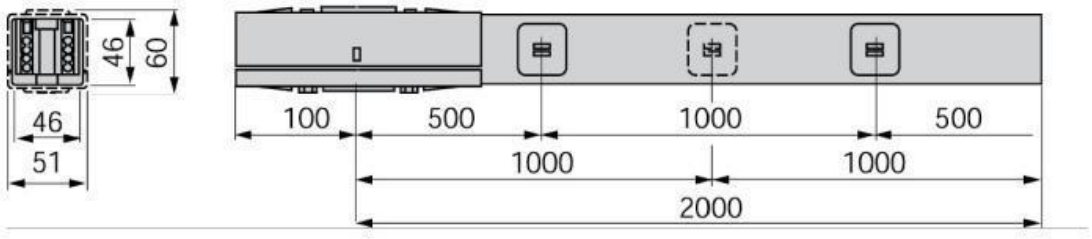
Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes
Halogen Free Product	

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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Product datasheet KBB40ED42203W

Dimension Drawings



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4.8 10A TAP-OFF UNIT

Product datasheet

Specifications

10A TAPOFF UNITS

Local distributor code:

389342036 KBC10DCB40



EAN Code: 3606480002083

Main

Range	Canalis
Offer type	Classic Control system
product or component type	Connector
Device application	Lighting Power socket distribution
Range compatibility	Canalis KBA busbar trunking Canalis KBB busbar trunking
[Ie] rated operational current	10 A at 35 °C
[Ue] rated operational voltage	230...240 V
Network frequency	50/60 Hz
Communication port protocol	DALI
Tap-off unit polarity	3L+N+PE
Tap-off unit connector type	With phase selection

Complementary

Colour	Cream (RAL 9001)
[Uimp] rated impulse withstand voltage	4 kV
[Ui] rated insulation voltage	690 V
Protection type	Without protection
Width	1 m
Depth	62 mm
Height	60 mm
net weight	65 g
Quantity per set	Set of 10
Standards	EN/IEC 61439-1 EN/IEC 61439-6

Environment

IP degree of protection	IP55 conforming to EN/IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Package 1 Height	6.200 cm
Package 1 Width	6.000 cm
Package 1 Length	11.500 cm
Package 1 Weight	87.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	12.500 cm
Package 2 Width	14.000 cm
Package 2 Length	32.000 cm
Package 2 Weight	880.000 g
Unit Type of Package 3	P06
Number of Units in Package 3	300
Package 3 Height	77.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	34.900 kg

Contractual warranty

Warranty	18 months

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Sustainability

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Well-being performance

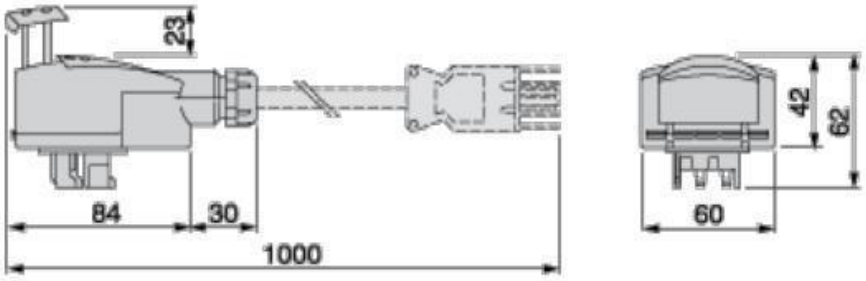
Reach Free Of Svhc	
Rohs Exemption Information	Yes
Pvc Free	
Halogen Free Plastic Parts Product	

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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Product datasheet KBC10DCB40

Dimension Drawings



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4.9 ELECTRICAL CABLE

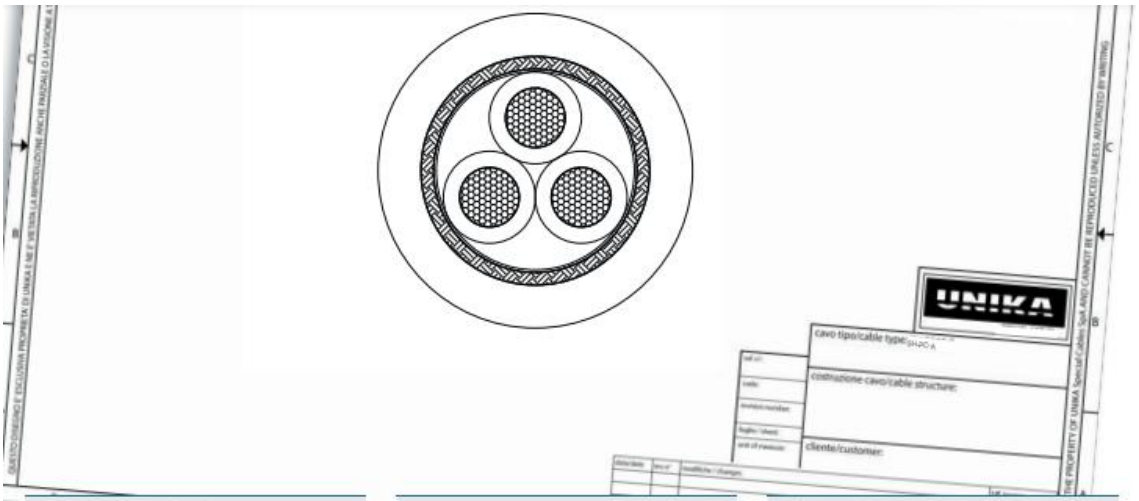
UNIKA

SH-PC-A

Cavi unipolari e multipolari, armati di potenza e controllo 0,6/1kV
Single and multicore, armoured power and control shipboard cables rated 0,6/1 kV



	Dati tecnici	Technical data
Conduttore **Conductor**	Rame rosso (opzionale stagnato) classe 5 in accordo alla IEC 60228	Bare (optional tinned copper) class 5 according to IEC 60228
Isolamento **Insulation**	Mescola HF XLPE in accordo alla IEC 60092-360 Spessori in accordo alla IEC 60092-353	HF XLPE compound according to IEC 60092-360 Thickness according to IEC 60092-355
Identificazione anime (preferenziale) **Core identification (preferential)**	1 anima: nera 2 anime: marrone, blu 3 anime: nera, grigia, marrone o (blu,marrone, giallo/verde) 4 anime: marrone, nera, grigia, blu o giallo/verde 5 anime: blu, marrone, nera, grigia, nera o giallo/verde da 5 anime: nero numerato (con o senza giallo/verde)	1 core: black 2 cores: brown, blue 3 cores: black, grey, brown or (blue, brown, green/yellow) 4 cores: brown, black, grey, blue or green/yellow 5 cores: blue, brown, black, grey, black or green/yellow From 5 cores: black numbered (with or without green/yellow)
Fasciatura **Bedding**	Filati riempitivi e nastro non igroscopico o guaina estrusa senza alogeni	Yarn fillers and non hygroscopic tape or extruded inner sheath without halogen
Armatura **Armouring**	Treccia di fili di rame rosso (su richiesta rame stagnato o acciaio zincato) copertura minima 90%	Bare copper wire braid (upon request tinned copper or galvanized steel wire braid). Minimum coverage 90%
Guaina esterna **Outer sheath**	Compound SHF1 in accordo alla IEC 60092-360 Spessore in accordo alla IEC 60092-353 Colore: nero (preferenziale) Diametro esterno in accordo alla IEC 60092-350 - Allegato D	SHF1 compound according to IEC 60092-360 Thickness according to IEC 60092-353 Colour: black (or other colour agreed) Outer diameter according to IEC 60092-350 annex D
Marcatura **Marking**	UNIKA (Italy) - SH-PC-A 0,6/1 KV 90°C (numero anime) x (sezione) IEC 60092-353 - IEC 60332 -3-22 – codice rintracciabilità	UNIKA (Italy) – SH-PC-A 0,6/1 kV 90°C (core number) x (cross-section) – IEC 60092-353 – IEC 60332-3-22 – traceability code
Temperatura per posa fissa **Rated conductor temperature for fixed installation**	90°C	90°C
Temperatura minima d'installazione **Minimum installation temperature**	- 15°C	- 15°C
Raggio minimo di curvatura **Minimum bending radius**	6D: D è il diametro esterno	6D: D is the overall diameter
Attenuazione schermante **Screening attenuation**	≥ 60 dB in accordo alla EN50289-1-6	≥ 60 dB according to EN50289-1-6
Comportamento al fuoco **Fire behaviour**	IEC 60332-3-22 non propagante il fuoco IEC 60332-1-2 non propagante la fiamma IEC 60754-1 assenza di alogeni IEC 60754-2 acicidità dei fumi IEC 60684-2 contenuto di fluoro IEC 61034 densità dei fumi	IEC 60332-3-22 not fire propagation IEC 60332-1-2 not flame propagation IEC 60754-1 halogen content IEC 60754-2 pH and conductivity IEC 60684-2 fluorine content IEC 61034 smoke emission



codice code	coppie e numero conduttori x sezione pair and conductor number x cross-section [nxmm²]	diametro esterno overall diameter [mm]	massa Cu Cu mass [kg/km]	massa cavo cable mass [kg/km]
N1026	2x1	8,5	59	81
N1036	3x1	8,9	72	97
N1046	4x1	9,6	86	116
N1056	5x1	10,4	101	136
N1076	7x1	11,4	126	175
N1106	10x1	14,7	213	258
N1126	12x1	15,1	236	290
N1246	24x1	20,5	402	521
N1027	2x1,5	9,1	79	96
N1037	3x1,5	9,5	97	120
N1047	4x1,5	10,3	117	143
N1057	5x1,5	11,4	138	175
N1077	7x1,5	12,3	174	221
N1107	10x1,5	15,9	290	325
N1127	12x1,5	16,3	324	378
N1147	14x1,5	17,3	361	421
N1197	19x1,5	19,3	452	545
N1247	24x1,5	22,5	555	684
N1307	30x1,5	23,7	654	810
N1377	37x1,5	25,7	773	979
N1029	2x2,5	9,9	104	123
N1039	3x2,5	10,4	132	156
N1049	4x2,5	11,5	163	198
N1059	5x2,5	12,5	194	236
N1079	7x2,5	14,1	294	323
N1109	10x2,5	17,7	403	453

codice code	coppie e numero conduttori x sezione pair and conductor number x cross-section [nxmm²]	diametro esterno overall diameter [mm]	massa Cu Cu mass [kg/km]	massa cavo cable mass [kg/km]
N1129	12x2,5	18,2	457	517
N1149	14x2,5	19,1	514	595
N1189	19x2,5	21,3	655	763
N1259	24x2,5	25,1	810	971
N1309	30x2,5	26,5	968	1165
N1379	37x2,5	28,7	1156	1409
N101A	1x4	6,9	73	89
N102A	2x4	11,3	142	169
N103A	3x4	11,9	185	220
N104A	4x4	12,9	232	273
N105A	5x4	14,7	324	349
N101B	1x6	7,4	96	112
N102B	2x6	12,3	188	218
N103B	3x6	13,0	251	290
N104B	4x6	14,7	364	384
N105B	5x6	16,0	435	465
N101D	1x10	8,6	142	163
N102D	2x10	14,9	327	332
N103D	3x10	15,7	432	445
N104D	4x10	17,4	544	573
N105D	5x10	18,9	657	692
N101E	1x16	9,7	208	231
N102E	2x16	17,3	466	481
N103E	3x16	18,3	631	658
N104E	4x16	20,2	803	848
N105E	5x16	22,3	976	1035

codice code	quarte e numero conduttori x sezione quad and conductor number x cross-section [nxmm²]	diametro esterno overall diameter [mm]	massa Cu Cu mass [kg/km]	massa cavo cable mass [kg/km]
N101F	1x25	11,6	308	352
N102F	2x25	20,9	675	727
N103F	3x25	22,3	929	1018
N104F	4x25	24,7	1191	1314
N105F	5x25	27,1	1454	1618
N101G	1x35	12,9	414	469
N103G	3x35	25,3	1246	1377
N104G	4x35	28,0	1607	1792
N105G	5x35	31,0	1969	2213
N101H	1x50	15,1	617	640
N103H	3x50	29,0	1712	1841
N104H	4x50	32,1	2220	2400
N105H	5x50	36,1	2842	3054
N101J	1x70	17,1	829	872
N103J	3x70	33,2	2325	2536
N104J	4x70	37,2	3148	3355
N101K	1x95	19,8	1095	1157
N103K	3x95	39,4	3225	3433
N104K	4x95	43,9	4194	4505
N101L	1x120	22,1	1351	1427
N103L	3x120	44,3	3991	4270
N101M	1x150	23,5	1660	1765
N103M	3x150	50,1	4916	5300
N101N	1x185	25,9	2020	2101
N103N	3x185	52,7	5998	6308
N101P	1x240	28,9	2574	2629
N101Q	1x300	32,1	3175	3205

(*) Aggiungere la lettera G al codice per i cavi con conduttore giallo/verde.
Nota: La portata di corrente è riferita ad una temperatura ambiente di 45°C e in accordo a IEC 60092-352. Per due o più circuiti, i fattori di declassamento devono essere tenuti in considerazione. Ulteriori informazioni e sezioni sono disponibili su richiesta.

(*) Add letter G at the code for cables having green/yellow conductor
Note: For current ampacity see type SH-PC-U. The ampacity is referred to ambient temperature of 45°C and based upon IEC 60092-352.
Further formation and cross-section are available upon request

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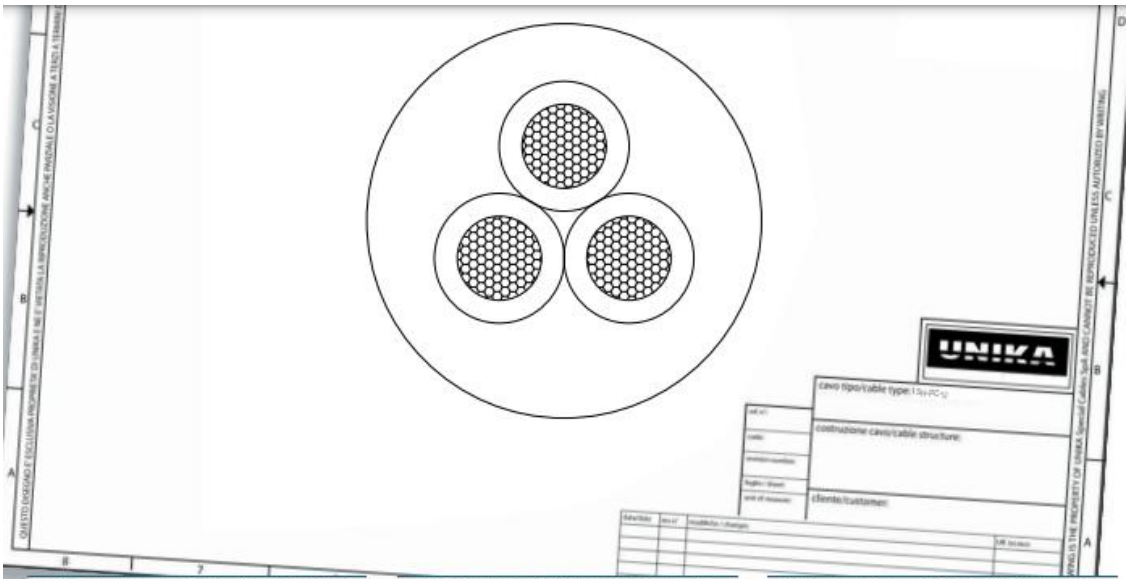
UNIKA

SH-PC-U

Cavi unipolari e multipolari, non armati, di potenza e controllo 0,6/1kV
Single and multicore, unarmoured power and control shipboard cables rated 0,6/1 kV



	Dati tecnici	Technical data
Conduttore **Conductor**	Rame rosso (opzionale stagnato) classe 5 in accordo alla IEC 60228	Bare (optional tinned copper) class 5 according to IEC 60228
Isolamento **Insulation**	Mescola HF XLPE in accordo alla IEC 60092-360 Spessori in accordo alla IEC 60092-353	HF XLPE compound according to IEC 60092-360 Thickness according to IEC 60092-353
Identificazione anime (preferenziale) **Core identification (preferential)**	1 anima: nera 2 anime: marrone, blu 3 anime: nera, grigia, marrone o (blu,marrone, giallo/verde) 4 anime: marrone, nera, grigia, blu o giallo/verde 5 anime: blu, marrone, nera, grigia, nera o giallo/verde da 5 anime: nero numerato (con o senza giallo/verde)	1 core: black 2 cores: brown, blue 3 cores: black, grey, brown or (blue, brown, green/yellow) 4 cores: brown, black, grey, blue or green/yellow 5 cores: blue, brown, black, grey, black or green/yellow From 5 cores: black numbered (with or without green/yellow)
Fasciatura **Bedding**	Filati riempitivi e nastro non igroscopico o guaina estrusa senza alogeni	Yarn fillers and non hygroscopic tape or extruded halogen-free inner sheath
Guaina esterna **Outer sheath**	SHF1 compound in accordo alla IEC 60092-360 Spessore in accordo alla IEC 60092-353 Colore: nero (o un altro colore in accordo) Diametro esterno in accordo alla IEC 60092-350 - Allegato D	SHF1 compound according to IEC 60092-360 Thickness according to IEC 60092-353 Colour: black (or other colour agreed) Outer diameter according to IEC 60092-350 annex D
Marcatura **Marking**	UNIKA (Italy) - SH-PC-U 0,6/1 KV 90°C Marking (numero anime) x (sezione) IEC 60092-353 - IEC 60332 -3-22 – codice rintracciabilità	UNIKA (Italy) - SH-PC-U 0,6/1 kV 90°C (core number) x (cross-section) - IEC 60092-353 - IEC 60332-3-22 - traceability code
Temperatura per posa fissa **Rated conductor temperature for fixed installation**	90°C	90°C
Temperatura minima d'installazione **Minimum installation temperature**	- 15°C	- 15°C
Raggio minimo di curvatura **Minimum bending radius**	(in accordo alla IEC 60092-352 tab. 4): 4D per cavi aventi diametro esterno non superiore a 25 mm 6D per cavi aventi diametro esterno non superiore a 25 mm dove D il diametro esterno	(according to IEC 60092-352 table 4): 4D for cables having overall diameter not above 25 mm 6D for cables having overall diameter above 25 mm with D the overall diameter
Comportamento al fuoco **Fire behaviour**	IEC 60332-3-22 non propagante il fuoco IEC 60332-1-2 non proparante la fiamma IEC 60754-1 assanza di alogeni IEC 60754-2 acicidità dei fumi IEC 60684-2 contenuto di fluoro IEC 61034 densità dei fumi	IEC 60332-3-22 not fire propagation IEC 60332-1-2 not flame propagation IEC 60754-1 halogen content IEC 60754-2 pH and conductivity IEC 60684-2 fluorine content IEC 61034 smoke emission



codice code	coppie e numero conduttori x sezione pair and conductor number x cross-section [nxmm²]	diametro esterno overall diameter [mm]	massa Cu Cu mass [kg/km]	massa cavo cable mass [kg/km]
N2026	2x1	7,5	19	66
N2036	3x1	7,9	29	82
N2046	4x1	8,8	38	104
N2056	5x1	9,6	48	123
N2076	7x1	10,4	67	156
N2106	10x1	13,3	96	220
N2126	12x1	13,9	115	250
N2246	24x1	19,3	230	468
N2017	1x1,5	5,0	14	44
N2027	2x1,5	8,1	29	81
N2037	3x1,5	8,7	43	108
N2047	4x1,5	9,5	58	131
N2057	5x1,5	10,4	72	156
N2077	7x1,5	11,5	101	206
N2107	10x1,5	14,7	144	291
N2127	12x1,5	15,1	173	335
N2147	14x1,5	15,9	202	376
N2197	19x1,5	17,9	274	495
N2247	24x1,5	21,1	346	625
N2307	30x1,5	22,5	432	760
N2377	37x1,5	24,3	533	911
N2019	1x2,5	5,4	24	57
N2029	2x2,5	9,1	48	111
N2039	3x2,5	9,6	72	144
N2049	4x2,5	10,5	96	179
N2059	5x2,5	11,7	120	221
N2079	7x2,5	12,7	168	287

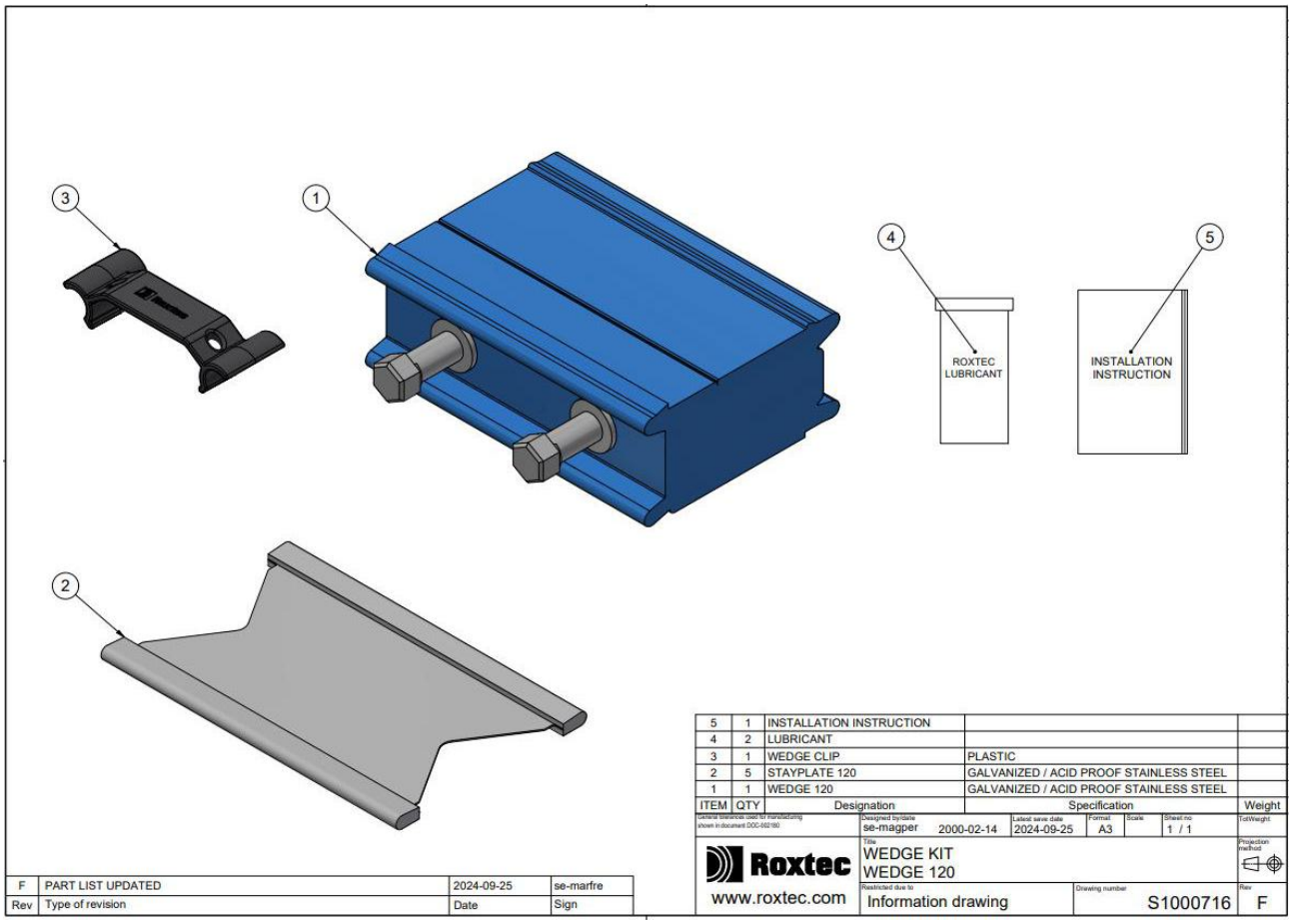
codice code	coppie e numero conduttori x sezione pair and conductor number x cross-section [nxmm²]	diametro esterno overall diameter [mm]	massa Cu Cu mass [kg/km]	massa cavo cable mass [kg/km]
N2109	10x2,5	16,3	240	407
N2129	12x2,5	17,0	288	478
N2149	14x2,5	17,9	336	545
N2189	19x2,5	20,1	456	718
N2259	24x2,5	23,7	576	906
N2309	30x2,5	25,3	720	1108
N2379	37x2,5	27,5	888	1347
N201A	1x4	6,0	38	76
N202A	2x4	10,3	77	150
N203A	3x4	10,9	115	200
N204A	4x4	12,1	154	257
N205A	5x4	13,3	192	311
N201B	1x6	6,5	58	100
N202B	2x6	11,5	115	203
N203B	3x6	12,2	173	274
N204B	4x6	13,3	230	346
N205B	5x6	14,8	288	431
N201D	1x10	7,5	96	145
N202D	2x10	13,5	192	294
N203D	3x10	14,5	288	412
N204D	4x10	16,0	384	529
N205D	5x10	17,7	480	652
N201E	1x16	8,8	154	215
N202E	2x16	15,9	307	437
N203E	3x16	17,1	461	620
N204E	4x16	18,8	614	796
N205E	5x16	20,9	768	988

codice code	quarte e numero conduttori x sezione quad and conductor number x cross-section [nxmm²]	diametro esterno overall diameter [mm]	massa Cu Cu mass [kg/km]	massa cavo cable mass [kg/km]
N201F	1x25	10,5	240	327
N202F	2x25	19,7	480	682
N203F	3x25	20,9	720	959
N204F	4x25	23,3	960	1249
N205F	5x25	25,9	1200	1546
N201G	1x35	12,0	336	448
N203G	3x35	23,9	1008	1311
N204G	4x35	26,6	1344	1718
N205G	5x35	29,6	1680	2131
N201H	1x50	13,6	480	594
N203H	3x50	27,8	1440	1778
N204H	4x50	30,9	1920	2331
N205H	5x50	34,3	2400	2887
N201J	1x70	15,6	672	819
N203J	3x70	31,8	2016	2448
N204J	4x70	35,6	2688	3265
N201K	1x95	18,3	912	1095
N203K	3x95	37,6	2736	3319
N204K	4x95	42,1	3648	4378
N201L	1x120	20,6	1152	1370
N203L	3x120	42,5	3456	2894
N201M	1x150	23,3	1440	1703
N203M	3x150	48,3	4320	5163
N201N	1x185	24,4	1776	2039
N203N	3x185	50,9	5328	6171
N201P	1x240	27,6	2304	2567
N201Q	1x300	30,8	2880	3143

(*) Aggiungere la lettera G al codice per i cavi con conduttore giallo/verde.
Nota: La portata di corrente è riferita ad una temperatura ambiente di 45°C e in accordo a IEC 60092-352. Per due o più circuiti, i fattori di declassamento devono essere tenuti in considerazione. Ulteriori informazioni e sezioni sono disponibili su richiesta.

(*) Add letter G at the code for cables having green/yellow conductor
Note: Current ampacity is referred to ambient temperature of 45 °C and based upon IEC 60092-352. For two or more circuits, derating factors should be taken into account. Further formation and cross-section are available upon request

4.10 MCT



ITEM	QTY	Designation	Specification	Weight
5	1	INSTALLATION INSTRUCTION		
4	2	LUBRICANT		
3	1	WEDGE CLIP	PLASTIC	
2	5	STAYPLATE 120	GALVANIZED / ACID PROOF STAINLESS STEEL	
1	1	WEDGE 120	GALVANIZED / ACID PROOF STAINLESS STEEL	

Designed by/date	Latest save date	Format	Scale	Sheet no	TotWeight
se-magper 2000-02-14	2024-09-25	A3		1 / 1	

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Title: WEDGE KIT WEDGE 120

Projection method

Restricted due to: Information drawing

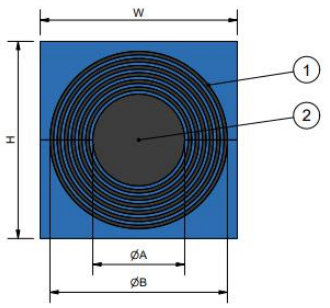
Drawing number: S1000716

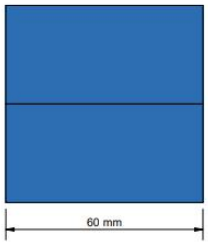
Rev: F

Rev	Type of revision	Date	Sign
F	PART LIST UPDATED	2024-09-25	se-marfre

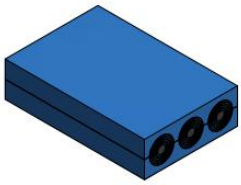
TYPE	CABLE/PIPE Ø (A-B) [mm]	H [mm]	W [mm]	C [QTY]
RM 15	3 - 11	15	15	1
RM 15w40	3.5 - 10.5	15	40	3
RM 20	4 - 14.5	20	20	1
RM 20w40	3.5 - 16.5	20	40	2
RM 30	10 - 25	30	30	1
RM 30 H90	10 - 25	30	90	1
RM 40	21.5 - 34.5	40	40	1
RM 40 H80	21.5 - 34.5	40	80	1
RM 40 10-32	9.5 - 32.5	40	40	1
RM 60*	28 - 54	60	60	1
RM 60 24-54	24 - 54	60	60	1
RM 80*	48 - 71	80	80	1
RM 90*	48 - 71	90	90	1
RM 120*	67.5 - 99	120	120	1

*ALSO AVAILABLE IN WOC VERSION DELIVERED WITHOUT CORE

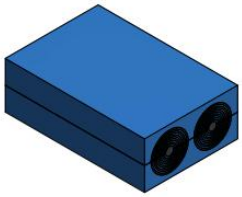




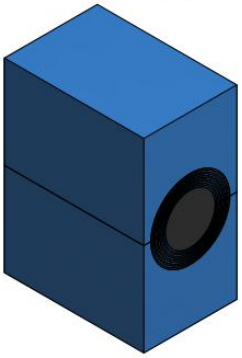
RM 15w40



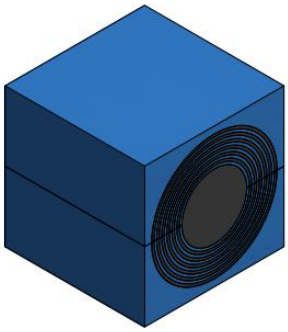
RM 20w40



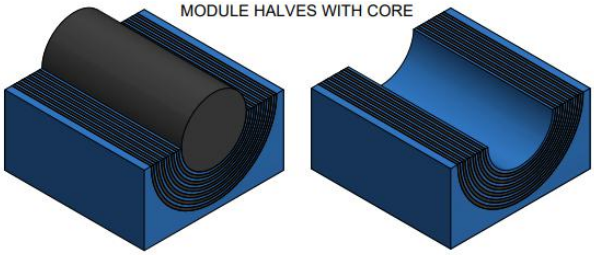
RM 30H90 & RM 40H80



RM 15-120



MODULE HALVES WITH CORE



F	LAYOUT CHANGED	2024-06-25	se-marfre
Rev	Type of revision	Date	Sign

2	C	CORE	ROXYLON	
1	2	RUBBER PROFILE	ROXYLON	
ITEM	QTY	Designation	Specification	Weight

Designed by/date: se-joahel 2003-12-12 | Latest save date: 2024-07-03 | Format: A3 | Scale: | Sheet no: 1 / 1

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Title: RM MODULES ASSEMBLY

Restricted due to: Information drawing | Drawing number: S1005711 | Rev: F

4.11 CABLE GLAND

CEMBRE

1710921/E_0523

PRESSACAVI CABLE GLANDS
MAXIbrass®

INFORMAZIONI GENERALI:
- Materiale: ottone nichelato
- Guarnizione: NEOPRENE
- Griffe di serraggio: POLIAMMIDE PA 6.6
- O-Ring: NITRILE
- Grado di protezione: IP 68 - 5 bar / 30 min.
- Temperatura d'impiego:
  da - 40°C a +100°C (statica*)
  da - 25°C a +100°C (dinamica*)

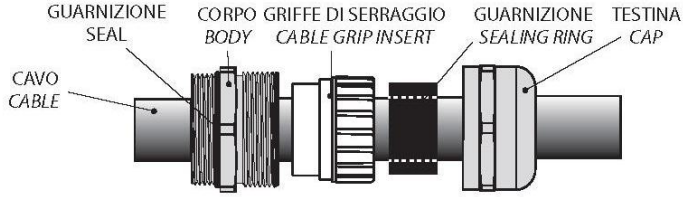
GENERAL INFORMATION:
- *Material: Nickel plated Brass*
- *Sealing ring: NEOPRENE*
- *Cable grip insert: POLYAMIDE PA 6.6*
- *O-ring: NITRILE*
- *Protection: IP 68 - 5 bar / 30 min. (LIQUID TIGHT)*
- *Temperature range:*
  - 40°C to +100°C (static)*
  - 25°C to +100°C (dynamic)*

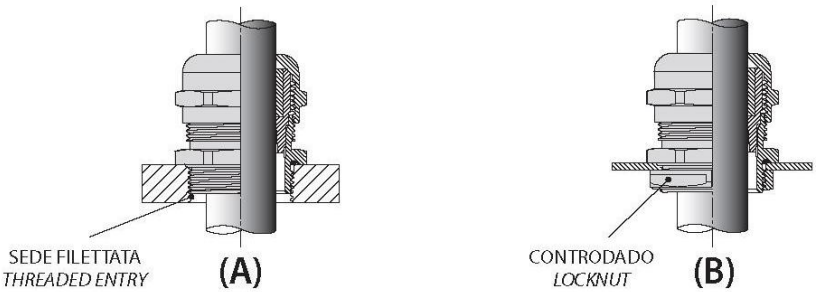
ISTRUZIONI PER L'INSTALLAZIONE:
1) Avvitare il pressacavo nella sede filettata corrispondente (A) o fissarlo con il controdado (B), senza eccedere nella chiusura.
2) Introdurre il cavo all'interno del pressacavo.
3) Avvitare la testina finché la guarnizione tocca completamente il cavo.
4) Serrare infine il pressacavo e la testina alla coppia di serraggio indicata in tabella.

USO SENZA CONTRODADO: solo se avvitato a sedi filettate.

INSTALLATION INSTRUCTIONS:
1) Screw the cable gland onto its relevant seat (A) or lock it by the locknut (B).
2) Introduce the cable inside the cable gland.
3) Screw the nut until the sealing ring fully touches the cable.
4) Finally, tighten the body and the nut up to the torque ratio listed in the table.

USAGE WITHOUT LOCKNUT: for securement to a threaded hubs only.





* STATICA: in questo intervallo di temperatura il pressacavo, correttamente installato in conformità ai requisiti tecnici, non deve essere ulteriormente sollecitato con carichi o tensioni (urti, vibrazioni, pressione, ecc.). Le stesse condizioni si applicano anche al cavo e alla sede di fissaggio a cui è fissato il pressacavo.
DINAMICA: in questo intervallo di temperatura il pressacavo resiste ad urti e sollecitazioni con un valore di energia equivalente alla categoria di impatto dichiarata in accordo alla norma EN 62444.

* *STATIC: in this temperature range the cable gland, properly installed in compliance with technical requirements, must not be further strained with stress or forces (shock, vibration, pressure, etc.). The same conditions also apply to both the enclosure and the wire to which the cable gland has been assembled.*
DYNAMIC: in this temperature range the cable gland withstands shocks and stresses with an energy value equivalent to the declared impact category according to EN 62444.

Tipo Type		Grandezza Nominale Thread	Nominale Nominal Ø		Raccomandata Recommended		UL 514B Ø		Valore trazione Pull Value		EN 62444 Ø		Categoria d'impatto impact category	MARCHIO
			[mm]	[Nm]	[in-lbs]	[mm]	[inches]	[kg]	[lb]	[Nm]	[in-lbs]	[mm]		
2900.M12N	**2901.M12N**	M12x1,5	3-7	6	53	3-7	0.11-0.28	2	4.4	6	53	3-7	5	USR-CNR / VDE
2900.M16N	**2901.M16N**	M16x1,5	4.5-10	6	53	6-10	0.24-0.39	2	4.4	6	53	4.5-10	6	USR-CNR / VDE
2900.M20N	**2901.M20N**	M20x1,5	7-13	8	71	8-13	0.31-0.51	15.9	35	8	71	7-13	6	USL-CNL / VDE
2900.M25N	**2901.M25N**	M25x1,5	10-17	8	71	13-17	0.51-0.67	15.9	35	8	71	11-17	6	USL-CNL / VDE
2900.M32N	**2901.M32N**	M32x1,5	11-21	18	159	13-21	0.51-0.83	15.9	35	18	159	13-21	6	USL-CNL / VDE
2900.M40N	**2901.M40N**	M40x1,5	19-28	18	159	21-28	0.83-1.10	15.9	35	18	159	19-28	6	USL-CNL / VDE
2900.M50N	**2901.M50N**	M50x1,5	26-35	18	159	27-35	1.06-1.38	15.9	35	18	159	26-35	6	USL-CNL / VDE
2900.M63N	-	M63x1,5	34-45	25	221	34-45	1.33-1.77	15.9	35	18	159	34-45	6	USL-CNL / VDE
2910.M12N	**2911.M12N**	M12x1,5	1-5	6	53	2-5	0.08-0.20	2	4.4	6	53	2-5	5	USR-CNR / VDE
2910.M16N	**2911.M16N**	M16x1,5	2.5-7	6	53	3.5-7	0.14-0.28	1	2.2	6	53	4-7	6	USR-CNR / VDE
2910.M20N	**2911.M20N**	M20x1,5	5-10	8	71	5-10	0.20-0.40	2	4.4	8	71	5.5-10	6	USR-CNR / VDE
2910.M25N	**2911.M25N**	M25x1,5	6-13	8	71	8-13	0.31-0.51	1	2.2	8	71	6-13	6	USR-CNR / VDE
2910.M32N	**2911.M32N**	M32x1,5	7-14	18	159	7-14	0.28-0.55	5	11	18	159	9-14	6	USR-CNR / VDE
2910.M40N	**2911.M40N**	M40x1,5	13-23	18	159	15-23	0.59-0.91	15.9	35	18	159	17-23	6	USL-CNL / VDE
2910.M50N	**2911.M50N**	M50x1,5	20-29	18	159	20-29	0.79-1.14	15.9	35	18	159	25-29	6	USL-CNL / VDE
2910.M63N	-	M63x1,5	27-39	25	221	28-39	1.10-1.54	15.9	35	18	159	31-39	6	USL-CNL / VDE
2940.M12N	-	M12x1,5	5-8	6	53	5-8	0.20-0.31	2	4.4	6	53	5-8	5	USR-CNR / VDE
2940.M16N	-	M16x1,5	7-12	6	53	8-12	0.31-0.47	2	4.4	6	53	8-12	6	USR-CNR / VDE
2940.M20N	-	M20x1,5	10-16	8	71	12-16	0.47-0.63	5	11	8	71	12-16	6	USR-CNR / VDE
2940.M25N	-	M25x1,5	13-21	8	71	14-21	0.55-0.83	15.9	35	18	159	13-21	6	USL-CNL / VDE
2940.M32N	-	M32x1,5	18-25	18	159	21-25	0.83-0.98	15.9	35	18	159	18-25	6	USL-CNL / VDE
2940.M40N	-	M40x1,5	25-32	18	159	25-32	0.98-1.26	15.9	35	25	221	25-32	6	USL-CNL / VDE
2940.M50N	-	M50x1,5	30-38	18	159	30-37	1.18-1.46	15.9	35	25	221	30-38	6	USL-CNL / VDE
2940E.M50N	-	M50x1,5	35-45	18	159	35-41	1.38-1.61	15.9	35	25	221	35-45	6	USL-CNL / VDE
2900.07N	**2901.07N**	Pg 7	3-7	6,25	55	3-7	0.11-0.28	1.2	2.65	6.25	55	-	-	USR-CNR
2900.09N	**2901.09N**	Pg 9	4-8	6,25	55	4-8	0.16-0.31	2	4.4	6.25	55	-	-	USR-CNR
2900.11N	**2901.11N**	Pg 11	4.5-10	6,25	55	6-10	0.24-0.40	2	4.4	6.25	55	-	-	USL-CNR
2900.13N	**2901.13N**	Pg 13,5	5-12	7,5	66	10-12	0.39-0.47	15.9	35	7,5	66	-	-	USL-CNL
2900.16N	**2901.16N**	Pg 16	7-13	7,5	66	10-13	0.39-0.51	15.9	35	7,5	66	-	-	USL-CNL
2900.21N	**2901.21N**	Pg 21	10-17	10	88,5	12-17	0.47-0.67	15.9	35	10	88,5	-	-	USL-CNL
2900.29N	**2901.29N**	Pg 29	18-25	15	133	18-25	0.71-0.99	15.9	35	15	133	-	-	USL-CNL
2900.36N	**2901.36N**	Pg 36	22-32	25	221	23-32	0.91-1.26	15.9	35	25	221	-	-	USL-CNL
2900.42N	**2901.42N**	Pg 42	28-38	25	221	28-35	1.10-1.38	15.9	35	25	221	-	-	USR-CNL
2900.48N	-	Pg 48	34-45	25	221	34-45	1.34-1.77	15.9	35	25	221	-	-	USR-CNL
2910.07N	**2911.07N**	Pg 7	1-5	6,25	55	2-5	0.08-0.20	1.2	2.65	6.25	55	-	-	USR-CNR
2910.09N	**2911.09N**	Pg 9	2-6	6,25	55	3-6	0.12-0.24	2	4.4	6.25	55	-	-	USR-CNR
2910.11N	**2911.11N**	Pg 11	2.5-7	6,25	55	3.5-7	0.14-0.28	2	1	6.25	55	-	-	USR-CNR
2910.13N	**2911.13N**	Pg 13,5	4-10	7,5	66	5.5-10	0.22-0.39	2	4.4	7.5	66	-	-	USL-CNR
2910.16N	**2911.16N**	Pg 16	5-10	7,5	66	6-10	0.24-0.39	2	4.4	7.5	66	-	-	USL-CNR
2910.21N	**2911.21N**	Pg 21	6-13	10	88,5	7-13	0.28-0.51	2.5	6.6	10	88,5	-	-	USL-CNR
2910.29N	**2911.29N**	Pg 29	12-20	15	133	12-20	0.47-0.79	10	22	15	133	-	-	USL-CNR
2910.36N	**2911.36N**	Pg 36	19-26	25	221	19-26	0.75-1.02	15.9	35	25	221	-	-	USR-CNL
2910.42N	**2911.42N**	Pg 42	24-31	25	221	24-31	0.95-1.22	15.9	35	25	221	-	-	USL-CNL
2910.48N	-	Pg 48	27-39	25	221	31-39	1.22-1.54	15.9	35	25	221	-	-	USL-CNL

VDE = LICENCE No. 40008475 and No. 40008476

USL-CNL = FILE No. E 220310, Control No. 48SB

USR-CNR = FILE No. E 220310
Con riduzione della forza di trazione.
With reduced pull force.

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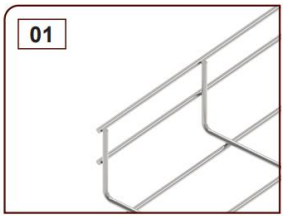
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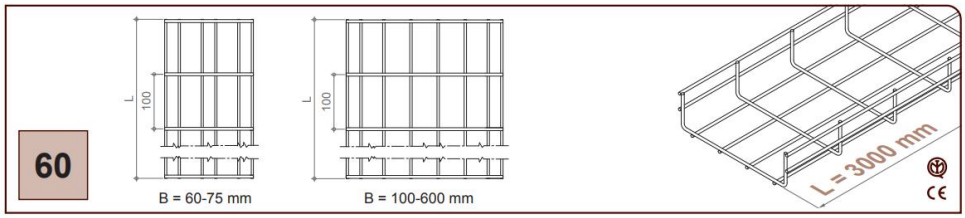
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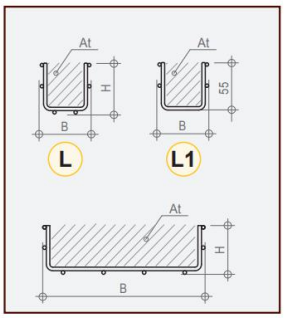
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4.12 CABLE TRAY

PASSERELLA A RETE CZ4 *Wire mesh cable tray*







E J N Codice/ Code	Ø mm	kg/m	B mm	H mm	L mm	IEC 61537 1500 mm	At mm²	kg/m	Ø mm	Z Codice/ Code
B4 ¤ 01A3H060L	3,9	0,76	60	60	3000	15 daN/m	2290	0,78	3,9	B4 Z 01A3H060L
B4 ¤ 01A3H060L1	3,9	0,56	60	55	3000	15 daN/m	2465	0,58	3,9	B4 Z 01A3H060L1
B4 ¤ 01A3H075L	3,9	0,77	75	60	3000	15 daN/m	3070	0,79	3,9	B4 Z 01A3H075L
B4 ¤ 01A3H100L	3,9	0,80	100	60	3000	26 daN/m	4370	0,82	3,9	B4 Z 01A3H100L
B4 ¤ 01A3H150L	3,9	0,85	150	60	3000	26 daN/m	6970	0,87	3,9	B4 Z 01A3H150L
B4 ¤ 01A3H200L	3,9	1,10	200	60	3000	28 daN/m	9570	1,12	3,9	B4 Z 01A3H200L
B4 ¤ 01A3H300L	3,9	1,40	300	60	3000	28 daN/m	14770	1,43	3,9	B4 Z 01A3H300L
B4 ¤ 01A3H300Q	4,4	1,68	300	60	3000	42 daN/m	14460	1,72	4,4	B4 Z 01A3H300Q
B4 ¤ 01A3H400Q	4,4	2,05	400	60	3000	44 daN/m	19580	2,10	4,4	B4 Z 01A3H400Q
B4 ¤ 01A3H500Q	4,4	2,41	500	60	3000	44 daN/m	24700	2,46	4,4	B4 Z 01A3H500Q
B4 ¤ 01A3H600Q	4,4	2,77	600	60	3000	44 daN/m	29820	2,83	4,4	B4 Z 01A3H600Q

¤ Scegli il materiale/ *Choose the material*