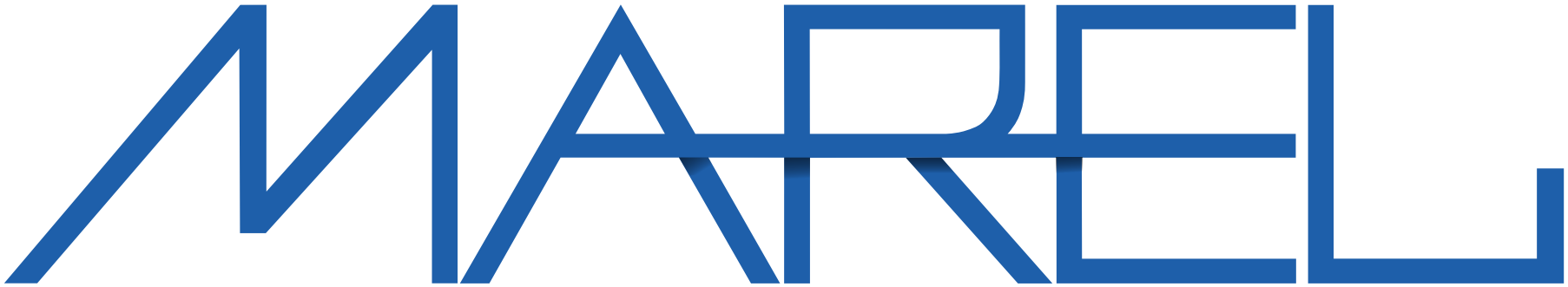
MAREL

EUROPE - SERBIA

KATALOG PROIZVODA / PRODUCT CATALOGUE 2026 V3


MAREL

ISTORIJAT

Privredno društvo MAREL d.o.o. osnovano je 1994. kao porodična trgovina elektromaterijalom. Prateći rastuću potražnju za kablovskom opremom, kao i uzimajući u obzir sopstvenu viziju, privredno društvo MAREL d.o.o. u Januaru 1997. godine pokreće sopstvenu proizvodnju. Prvi proizvod bio je Vijačna kablovska papučica, koja je proizvedena u porodičnoj garaži. Zahvaljujući visokom kvalitetu proizvoda i dobroj tržišnoj orijentaciji, asortiman se 1998. godine proširio na Bakarne papučice i čaure, dok se 1999. godine proširio i na NN SKS pribor. Broj zaposlenih je od 2, tokom ove dve godine porastao na 10 zaposlenih, a izgrađen je i prvi proizvodni pogon veličine 200 m².

U narednim godinama, privredno društvo MAREL d.o.o. fokusiralo se na razvoj novih proizvoda iz oblasti NN SKS pribora, uključujući prvi model IVS 16-35/35-70mm² (poznat i kao 2,5–35/16–95 mm² CBS/CT 95). Njegova unapređena verzija, u potpunosti usklađena sa savremenim tržišnim zahtevima, danas je najprodavaniji proizvod. Pored toga, razvijeni su i proizvodi poput zateznih stezaljki PA 1500, nosećih stezaljki PS 1500, kao i zateznih stezaljki PA 25. Godine 2005. celokupan sistem poslovanja je usklađen sa zahtevima standarda ISO 9001. Kao rezultat adekvatnog planiranja i razvoja proizvodnje, 2010. godine realizovan je prvi veliki izvozni ugovor. Od tog trenutka, svaki segment poslovanja privrednog društva MAREL d.o.o. usmeren je na specifične tehničke i tehnološke zahteve koji proizilaze iz različitih delova globalnog tržišta.

Prateći rastuće zahteve tržišta i trendove automatizacije proizvodnje, 2012. godine započeta je izgradnja novih proizvodnih pogona površine 2000 m², a 2015. godine nova fabrika počinje sa radom.

RAZVOJ I INOVACIJE

Dugogodišnje iskustvo u razvoju i konstrukciji NN SKS opreme rezultiralo je i razvojem opreme za SN izolovane elektrodistribucione vodove, čiji razvoj i usavršavanje čine ključne aspekte našeg trenutnog i budućeg poslovanja.

Ključna karakteristika poslovanja MAREL d.o.o. je dinamičnost, stalna inovacija proizvodnog programa, razvoj savremenog dizajna proizvoda, kao i optimizacija i unapređenje efikasnosti proizvodnih procesa.

Prateći i analizirajući kretanja tržišnih trendova, kao i kroz aktivno učešće na međunarodnim sajmovima u oblasti elektroenergetike, MAREL d.o.o. se, zahvaljujući posvećenosti svih zaposlenih u svakom segmentu poslovanja – od razvoja i istraživanja, marketinga i prezentacije, do proizvodnje, prodaje i tehničke podrške u postprodaji – kontinuirano fokusira na pronalaženje novih tehničkih rešenja za svoje proizvode.

KVALITET I MEĐUNARODNI STANDARDI

Kvalitet naših proizvoda garantuje njihovu trajnost i pouzdanost u svim vremenskim uslovima, dok precizno tehničko oblikovanje omogućava laku montažu i dugotrajnu upotrebu.

Svi proizvodi kompanije MAREL d.o.o. ispitani su u skladu sa relevantnim međunarodnim standardima EN 50483:2009 - Zahtevi za ispitivanje pribora za niskonaponske vazdušne usnopljene kablove, EN 61238-1:2020 - Stezni i mehanički konektori za energetske kablove: Metode ispitivanja i zahtevi, SRPS EN 61284:2009 - Nadzemni vodovi - Zahtevi i ispitivanja za opremu nadzemnih vodova za napone iznad 45 kV, spojnica nazivnih vodova nižih napona i sličnih spojnica za transformatorske stanice, SRPS EN ISO 1461:2022 - Prevlake cinka nanesene toplim postupkom na proizvode od gvožđa i čelika. Ispitivanja su sprovedena u nezavisnoj, akreditovanoj laboratoriji prema standardu SRPS EN ISO/IEC 17025, čime se obezbeđuje pouzdanost, objektivnost i verifikovana usaglašenost proizvoda sa važećim tehničkim zahtevima.

MAREL d.o.o posluje u skladu sa Integrisanim sistemom menadžmenta kvalitetom (IMS) koji obuhvata sistem menadžmenta kvalitetom (QMS), zaštitu životne sredine (EMS) i zaštitu zdravlja i bezbednosti na radu (OH&S). Ovaj sistem implementiran je u skladu sa zahtevima standarda ISO 9001:2015, ISO 14001:2015 i ISO 45001:2018. IMS se primenjuje u svim funkcijama organizacije prilikom realizacije svih poslovnih aktivnosti.

DELATNOST I TRŽIŠTA

Danas je osnovna delatnost Privrednog društva MAREL d.o.o. projektovanje, razvoj i proizvodnja elektroenergetske i telekomunikacione opreme, uključujući kablovske papučice i čaure, opremu za NN neizolovane mreže do 1 kV, opremu za NN SKS do 1 kV, kao i ostali kablovski pribor.

Trenutno, privredno društvo MAREL d.o.o. izvozi svoje proizvode u više od 74 zemlje širom sveta. Pored portfolija vezanog za elektroenergetiku, MAREL d.o.o. je prisutan i u sektoru nadzemnih telekomunikacionih mreža, solarnih polja, kao i mreža za napajanje električnih vozila.

ODRŽIVOST I ODGOVORNOST

MAREL d.o.o., u skladu sa pozitivnom poslovnom praksom, aktivno se posvećuje očuvanju bezbednog i zdravog radnog okruženja, obuci i edukaciji zaposlenih, kao i na povećanju svesti o značaju bezbednosti na radu, negujući pritom odnose sa lokalnom zajednicom i poštujući principe cirkularne ekonomije. U svom poslovanju, MAREL d.o.o. sprovodi kontinuirane investicije u energetski efikasnu proizvodnu opremu, takođe odgovorno i pravilno upravlja resursima i otpadom, čime doprinosi smanjenju potrošnje energije, implementaciji programa obnovljivih izvora energije i smanjenju emisije CO_2, odnosno smanjenju svog karbonskog otiska.

PROIZVODNJA I KAPACITETI

Proizvodni procesi odvijaju se u savremeno opremljenom proizvodnom prostoru površine 3000 m², koji se sastoji od sledećih radnih celina:

- Pogon livnice obojenih metala sa kovačnicom
- Pogon za brizganje termoplastičnih masa
- Pogon preseraja sa radionicom održavanja
- Pogon mehaničke obrade metala sa alatnicom
- Pogon montaže, ambalažiranja i pakovanja
- Pogon obrade metala na CNC strugovima
- Laboratorija za razvojna testiranja i analizu
- Laboratorija za fabrička ispitivanja, procesnu kontrolu i finalnu kontrolu
- Služba magacinskog poslovanja i proizvodnih koordinatora
- Služba prodaje i nabavke
- Služba za ljudske resurse
- Služba razvoja i istraživanja tržišta, novih proizvoda i novih tehnologija
- Služba marketinga i tehničke podrške u postprodaji

COMPANY HISTORY

MAREL was founded in 1994 as a family -owned company engaged in the trade of electrical materials. Following the growing demand for cable accessories and guided by its own business vision, MAREL launched its own production in January 1997. The first product was a Screw-type mechanical cable lug, manufactured in the family garage. Thanks to high product quality and strong market orientation, the product range was expanded in 1998 to include Tubular copper cable lugs and joints, and in 1999 to include LV ABC (Aerial Bundled Cable) accessories. During this two-year period, the number of employees increased from 2 to 10, and the first production facility with an area of 200 m² was constructed.

In the following years, MAREL focused on the development of new products in the field of LV ABC accessories, including the first model of IPC 16–35/35–70 mm² (also known as 2,5–35/16–95 mm² CBS/CT 95). Its improved version, fully aligned with modern market requirements, is today the company's best-selling product. In addition, products such as dead end clamps PA 1500, suspension clamps PS 1500 and anchoring clamps PA 25 were developed. In 2005, the entire business system was aligned with the requirements of the ISO 9001 standard. As a result of adequate planning and production development, the first major export contract was realized in 2010. Since then, every segment of MAREL's operations has been oriented toward specific technical and technological requirements arising from various parts of the global market.

Following increasing market demands and production automation trends, construction of new production facilities with an area of 2,000 m2 began in 2012, and the new factory started operations in 2015.

DEVELOPMENT AND INNOVATION

Many years of experience in the development and design of LV ABC accessories have also resulted in the development of accessories for MV insulated distribution lines, whose further development and improvement represent key aspects of our current and future business activities.

A key characteristic of MAREL's operations is dynamism, continuous innovation of the product range, development of modern product design, as well as optimization and improvement of production process efficiency.

By continuously monitoring and analyzing market trends and through active participation in international power trade fairs, MAREL, thanks to dedicated work of all employees in every segment of the business - from research and development, marketing and presentation, to production, sales, and after-sales technical support - remains consistently focused on finding new technical solutions for its products.

QUALITY AND INTERNATIONAL STANDARDS

The quality of our products guarantees durability and reliability under all weather conditions, while precise technical design enables easy installation and long service life.

All MAREL's products have been tested in accordance with relevant international standards: EN 50483:2009 – Test requirements for low voltage aerial bundled cable accessories, EN 61238-1:2020 – Test methods and requirements for compression and mechanical connectors for power cables, EN 61284:2009 – Overhead lines - Requirements and tests for fittings for overhead lines of nominal voltage above 45 kV, fittings for overhead lines of lower nominal voltage and similar fittings for substations. EN ISO 1461:2022 – Hot dip galvanized coatings on fabricated iron and steel articles. Testings were carried out in an independent, accredited laboratory in accordance with EN ISO/IEC 17025, ensuring reliability, objectivity, and verified compliance of the products with applicable technical requirements.

MAREL operates in accordance with an Integrated Management System (IMS), which includes the Quality Management System (QMS), Environmental Management System (EMS), and Occupational Health and Safety Management System (OH&S). This system has been implemented in compliance with the requirements of ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018, and is applied across all organizational functions and business activities.

BUSINESS ACTIVITIES AND MARKETS

The core business activity of MAREL is the design, development, and manufacturing of power and telecommunications accessories, including cable lugs and joints, accessories for LV non-insulated networks up to 1 kV, accessories for LV ABC up to 1 kV, as well as other cable accessories.

Currently, MAREL exports its products to more than 74 countries worldwide. In addition to the product portfolio related to power distribution networks, MAREL is also present in the sectors of overhead telecommunications networks, solar power plants, and electric vehicle charging networks.

SUSTAINABILITY AND RESPONSIBILITY

In accordance with best business practices, MAREL is actively committed to maintaining a safe and healthy working environment, employee training and education, and raising awareness of occupational safety, while fostering strong relationships with the local community and respecting the principles of the circular economy. In its operations, MAREL continuously invests in energy-efficient production equipment and responsibly manages resources and waste, thereby contributing to reduced energy consumption, implementation of renewable energy programs, reduction of CO2 emissions, and overall reduction of its carbon footprint.

PRODUCTION AND CAPACITIES

Production processes take place in a modernly equipped manufacturing facility covering an area of 3,000 m2, consisting of the following units:

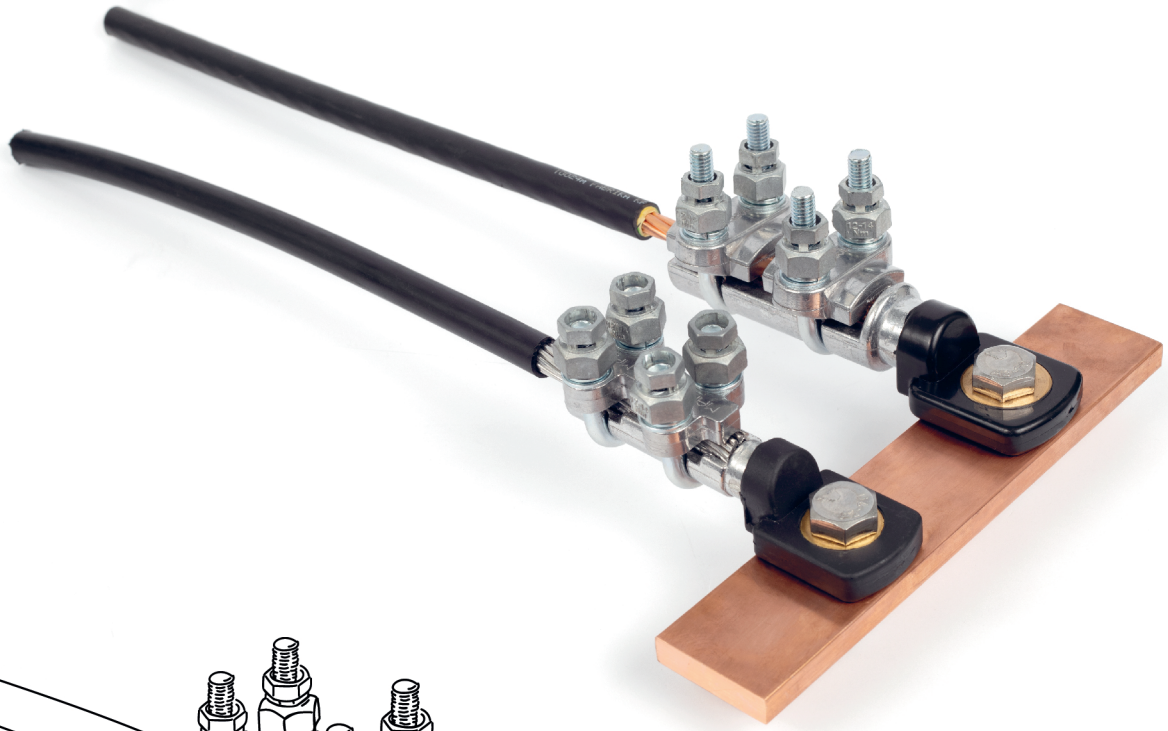
- Non-ferrous die casting plant with forging facility
- Thermoplastic injection molding plant
- Metal fabrication plant with maintenance workshop
- Metal machining plant with mold shop
- Assembly line with packaging
- CNC turning plant
- Laboratory for development testing and analysis
- Laboratory for factory testing, process control, and final inspection
- Warehouse management and production coordination department
- Sales and procurement department
- Human resources department
- Research and development of markets, new products, and new technologies department
- Marketing and after-sales technical support department

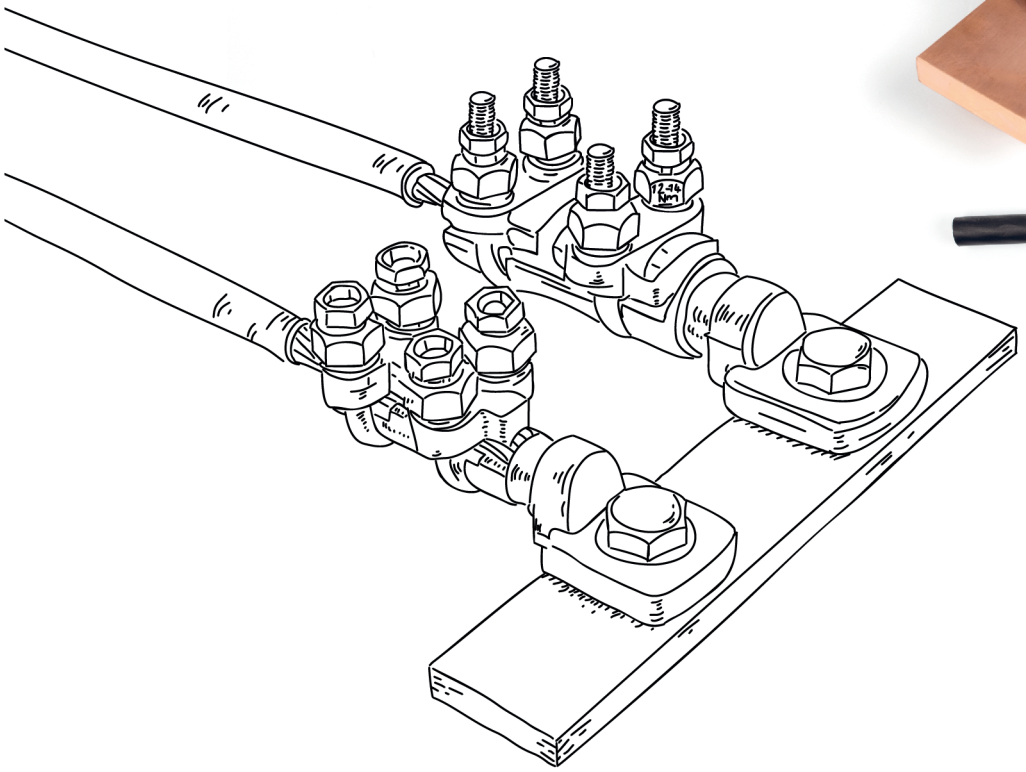
UNIVERZALNE PAPUČICE I ČAURE
MECHANICAL LUGS AND JOINTS

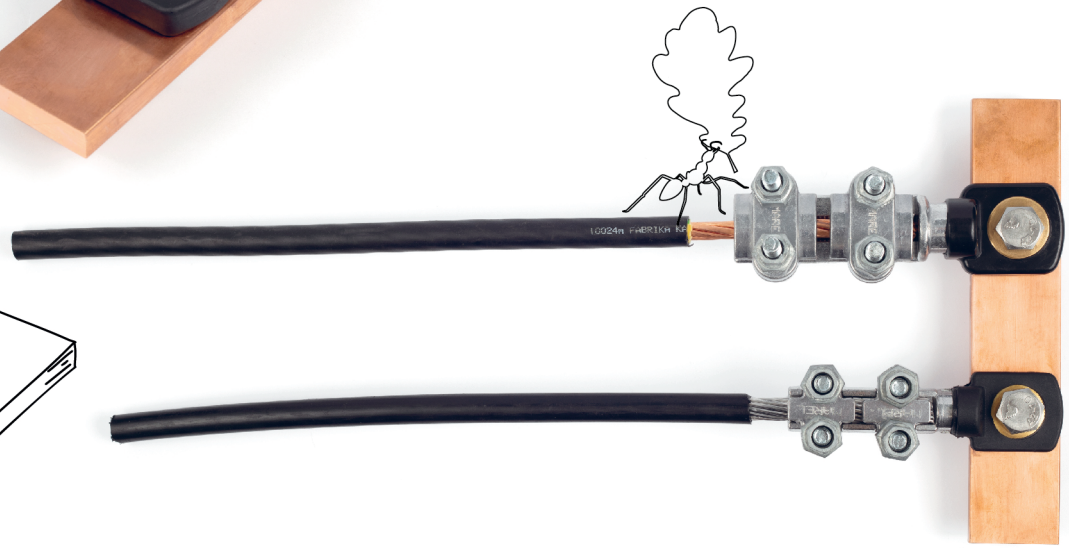
MAREL

EUROPE - SERBIA

PRODUCT CATALOGUE 2026 V.3





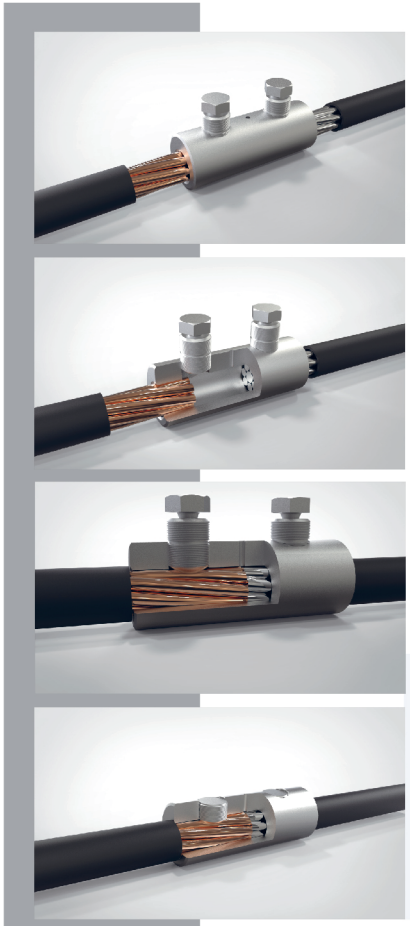


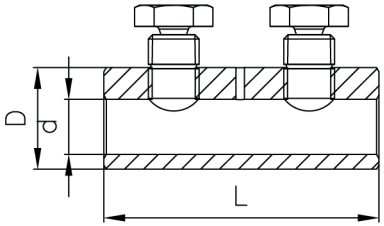
SRB.

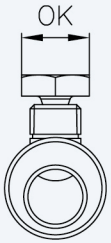
UNIVERZALNE ČAURE SA MOMENT ZAVRTNJIMA BEZ BARIJERE ZA NAPONSKI NIVO OD 0,6 kV DO 1 kV

BMN Univerzalne čaure sa moment zavrtnjima za naponski nivo do 1 kV koriste se za spajanje aluminijumskih i bakarnih provodnika sektorskog i okruglog oblika, naponskog nivoa od 0,6 kV do 1 kV. Telo čaure je napravljeno od legure aluminijuma visoke čvrstoće i otpornosti na koroziju. Površina čaure je galvanski kalajisana. Vijci su izrađeni sa moment glavama odnosno kontrolisanom silom pritezanja. Čaure su ispunjene elektrokontaktnom mašću i zatvorene su čepovima.

NAPOMENA: Po zahtevu Kupca moguća je izrada i drugih dimenzija.





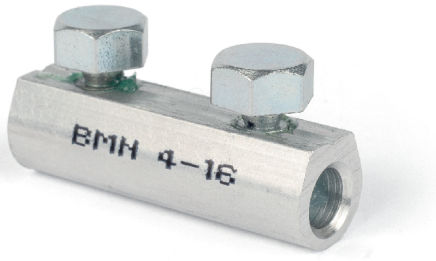


ENG.

MECHANICAL CABLE JOINTS WITHOUT CENTER STOP FOR VOLTAGE GRADE 0,6 kV /1 kV

Mechanical Cable Joints BMN are used to connect aluminium and copper conductors, both solid and stranded - round or sector, of voltage grade 0,6 kV to 1 kV. The body of the joint is made of aluminium alloy of high strength and resistance to corrosion. The surface of the joint is tin plated. The bolts are made with shear-off heads and have controlled tightening torque. The joints are filled with electrical contact grease and sealed with plastic cap.

NOTE: At Customer request, it is possible to make other dimensions.



Kat.broj Cat. No	Kod Code	Presek provodnika (mm²) Conductor cross-section (mm²)	L (mm)	D (mm)	d (mm)	Br. kontaktnih vijaka No.of contact bolts	Ključ OK Head Size AF (mm)	Težina kg/100 kom. Weight kg/100 pcs
375701	BMN 4-16	4-16	30	12	6.5	2	10	2.00
375703	BMN 10-35	10-35	40	19	8.5	2	10	3.00
375705	BMN 16-95	16-95	55	24	13	2	13	6.40
375707	BMN 50-150	50-150	70	30	16.5	2	19	10.70
375709	BMN 95-240	95-240	80	34	22	2	19	15.00

SRB.

UNIVERZALNE ČAURE SA MOMENT ZAVRTNJIMA SA BARIJEROM ZA NAPONSKI NIVO OD 0,6 kV DO 1 kV

BMNB Univerzalne čaure sa moment zavrtnjima za naponski nivo do 1 kV koriste se za spajanje aluminijumskih i bakarnih provodnika sektorskog i okruglog oblika, naponskog nivoa od 0,6 kVdo 1 kV. Telo čaure je napravljeno od legure aluminijuma visoke čvrstoće i otpornosti na koroziju. Površina čaure je galvanski kalajisana. Vijci su izrađeni sa moment glavama odnosno kontrolisanom silom pritezanja. Čaure su ispunjene elektro kontaktnom mašću i zatvorene su čepovima.

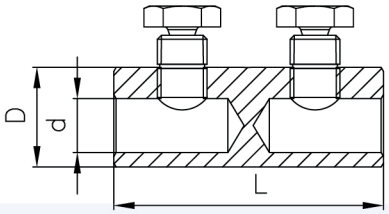
NAPOMENA: Po zahtevu Kupca moguća je izrada i drugih dimenzija.

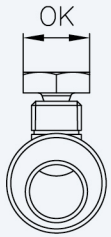
ENG.

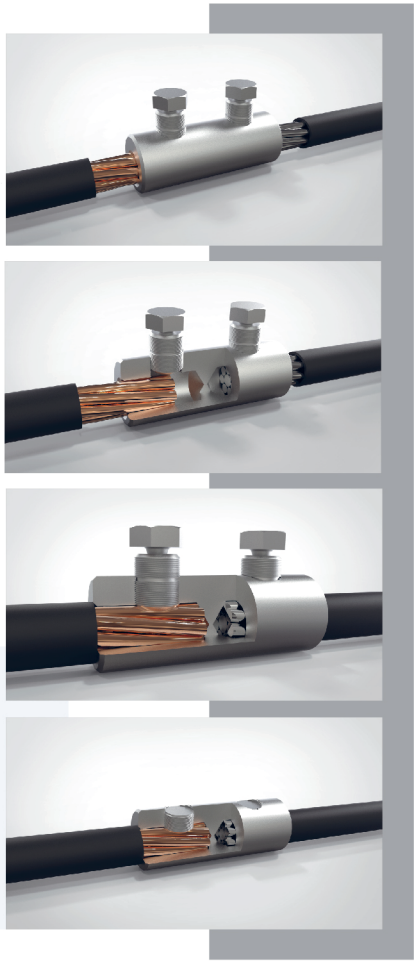
MECHANICAL CABLE JOINTS WITH CENTER STOP FOR VOLTAGE GRADE 0,6 kV /1 kV

Mechanical Cable Joints BMNB are used to connect aluminium and copper conductors, both solid and stranded - round or sector, of voltage grade 0,6 kV to 1 kV.
The body of the joint is made of aluminium alloy of high strength and resistance to corrosion.
The surface of the joint is tin plated.
The bolts are made with shear-off heads and have controlled tightening torque.
The joints are filled with electrical contact grease and sealed with plastic cap.

NOTE: At Customer request, it is possible to make other dimensions.







Kat.broj Cat. No	Kod Code	Presek provodnika (mm²) Conductor cross-section (mm²)	L (mm)	D (mm)	d (mm)	Broj kontaktnih vijaka No.of contact bolts	Ključ OK Head Size AF (mm)	Težina kg/100 kom. Weight kg/100 pcs
375702	BMNB 4-16	4-16	30	12	6.5	2	10	2.10
375704	BMNB 10-35	10-35	40	19	8.5	2	10	3.20
375706	BMNB 16-95	16-95	55	24	13	2	13	6.60
375708	BMNB 50-150	50-150	70	30	16.5	2	19	11.20
375710	BMNB 95-240	95-240	80	34	22	2	19	16.00

SRB.

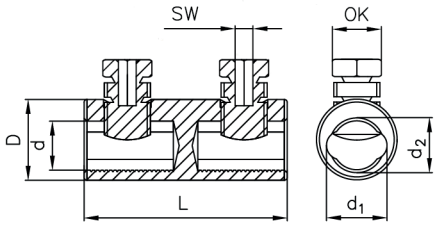
UNIVERZALNE ČAURE SA MOMENT ZAVRTNJIMA SA BARIJEROM ZA NAPONSKI NIVO OD 0,6 kV DO 1 kV

BMNB-H Univerzalne čaure sa moment zavrtnjima za naponski nivo do 1 kV koriste se za spajanje aluminijumskih i bakarnih provodnika sektorskog i okruglog oblika, naponskog nivoa od 0,6 kV do 1 kV. Telo čaure je napravljeno od legure aluminijuma visoke čvrstoće i otpornosti na koroziju. Površina čaure je galvanski kalajisana. Vijci su izrađeni sa moment glavama odnosno kontrolisanom silom pritezanja. Čaure su ispunjene elektro kontaktnom mašću i zatvorene su čepovima.

NAPOMENA: Po zahtevu Kupca moguća je izrada i drugih dimenzija.

ENG.

MECHANICAL CABLE JOINTS WITH CENTER STOP FOR VOLTAGE GRADE 0,6kV /1 kV



Mechanical Cable Joints BMNB-H are used to connect aluminium and copper conductors, both solid and stranded - round or sector, of voltage grade 0,6 kV to 1 kV. The body of the joints is made of aluminium alloy of high strength and resistance to corrosion. The surface of the joint is tin plated. The bolts are made with shear-off heads and have controlled tightening torque. The joints are filled with electrical contact grease and sealed with plastic covers.

NOTE: At Customer request, it is possible to make other dimensions.

Kat.broj Cat. No	Kod Code	Presek provodnika Al (mm²) prema EN 60228 Conductor cross-section Al (mm²) according to EN 60228 rm	sm	re	se	Presek provodnika Cu (mm²) prema EN 60228 Conductor cross-section Cu (mm²) according to EN 60228 rm	sm	re	Za fino žičane kablove (po zahtevu Kupca) For fine-stranded conductors (at Customer request)	L (mm)	D (mm)	d (mm)	Broj kontaktnih vijaka Number of contact bolts	Vijak sa samokidajućom glavom / Shear-off head bolt Tip/Type: A OK/Imbus (duplo kidanje) AF/SW (double shear-off head bolt)	Tip/Type: B OK (jedno kidanje) AF (single shear-off head bolt)	Tip/Type: C Imbus (jedno kidanje) SW (single shear-off head bolt)	Tip/Type: D Imbus (duplo kidanje) SW (double shear-off head bolt)
375907	BMNB-H 1,5-16	10-16	-	10-16	-	1,0-16	-	1,0-16	-	30	12	6.1	2	10/-	8	-	-
375916	BMNB-H 1,5-16	-	-	-	-	1,0-16	-	1,0-16	-	30	12	6.1	2	10/-	-	3	-
375908	BMNB-H 1,5-35	10-35	35	10-35	35	1,5-35	35	1,5-35	-	36	16	9.01	2	10/5	-	-	5
375909	BMNB-H 10-35	10-35	35	10-35	35	10-35	35	10-35	-	36	16	9.01	2	10/-	8	5	-
375910	BMNB-H 25-50	25-50	35-50	25-50	35-50	25-50	35-50	25-35	25-35	36	18	10	2	10/-	8	5	-
375901	BMNB-H 4-50	10-50	35-50	10-50	35-50	4-50	35-50	4-35	4-35	36	18	10	2	10/5	-	-	5
375902	BMNB-H 16-95	16-95	35-95	16-95	35-95	16-95	35-95	16-35	16-70	55	25	14	2	13/-	10	6	-
375903	BMNB-H 25-150	25-150	35-150	25-150	35-150	25-150	35-150	16-35	25-95	70	28	17	2	17/6	-	-	6
375911	BMNB-H 35-150	35-150	35-150	50-150	50-150	35-150	35-150	35	35-95	70	28	17	2	17/-	13	6	-
375912	BMNB-H 25-185	25-185	35-185	25-185	35-185	25-185	35-185	25-35	25-120	80	32	19	4	19/6	-	-	6
375913	BMNB-H 70-185	70-185	70-185	70-185	70-185	70-185	70-185	-	70-120	80	32	19	4	19/-	13	6	-
375904	BMNB-H 50-240	50-240	50-240	50-240	50-240	50-240	50-240	-	50-185	120	35	22	4	19/8	-	-	8
375914	BMNB-H 120-240	120-240	120-240	120-240	120-240	120-240	120-240	-	120-185	120	35	22	4	19/-	13	6	-
375915	BMNB-H 50-300	50-300	50-300	50-300	50-300	50-240	50-240	-	95-185	128	38	23	4	22/8	-	-	8
375905	BMNB-H 150-300	150-300	150-300	150-300	150-300	150-240	150-240	-	150-185	128	38	23	4	22/-	13	8	-

Napomena: Prilikom naručivanja upisati kod i tip vijka.

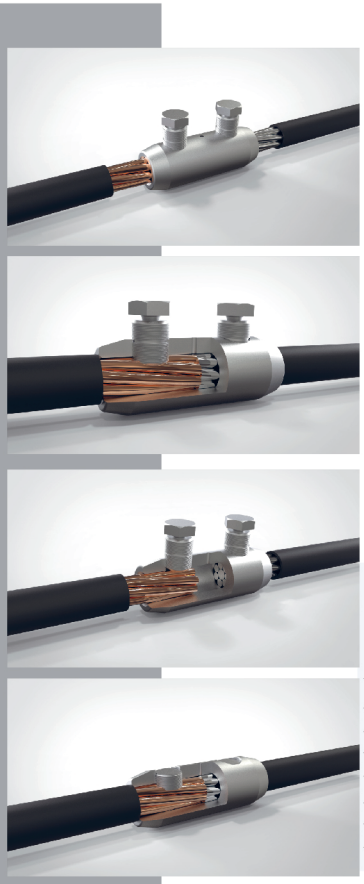
Note: When ordering,specify the code and type of bolt.

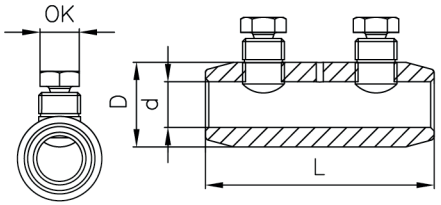
SRB.

UNIVERZALNE ČAURE SA MOMENT ZAVRTNJIMA BEZ BARIJERE ZA NAPONSKI NIVO DO 42 kV

BMS Univerzalne čaure sa moment zavrtnjima za naponski nivo do 42 kV koriste se za spajanje aluminijumskih i bakarnih provodnika sektorskog i okruglog oblika naponskog nivoa do 42 kV. Telo čaure je napravljeno od legure aluminijuma visoke čvrstoće i otpornosti na koroziju. Površina čaure je galvanski kalajisanana. Vijci su izrađeni sa moment glavama odnosno kontrolisanom silom pritezanja. Čaure su ispunjene elektrokontaktnom mašću i zatvorene su čepovima.

NAPOMENA: Po zahtevu Kupca moguća je izrada i drugih dimenzija.



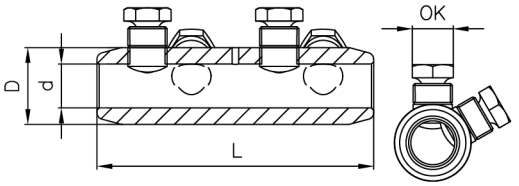


ENG.

MECHANICAL CABLE JOINTS WITHOUT CENTER STOP FOR VOLTAGE GRADE UP TO 42 kV

Mechanical Cable Joints BMS are used to connect aluminium and copper conductors, both solid and stranded - round or sector, of voltage grade up to 42 kV. The body of the joint is made of aluminium alloy of high strength and resistance to corrosion. The surface of the joint is tin plated. The bolts are made with shear-off heads and have controlled tightening torque. The joints are filled with electrical contact grease and sealed with plastic cap.

NOTE: At Customer request, it is possible to make other dimensions.



Kat.broj Cat. No.	Kod Code	Presek provodnika (mm²) Conductor cross -ection (mm²)	L (mm)	D (mm)	d (mm)	Broj kontaktnih vijaka No.of contact bolts	Ključ OK Head Size AF (mm)	Težina kg/100 kom. Weight kg/100 pcs
375801	BMS 10-35	10-35	45	19	8.5	2	10	3.20
375803	BMS 16-95	16-95	65	24	13	2	13	7.80
375805	BMS 50-150	50-150	82	30	16.5	2	19	13.30
375807	BMS 95-240	95-240	126	34	22	4	19	27.90
375809	BMS 185-400	185-400	170	42	26	6	24	54.40
375811	BMS 500	500	190	46	30	6	24	56.00
375813	BMS 630	630	206	50	33	6	24	58.20

SRB.

UNIVERZALNE ČAURE SA MOMENT ZAVRTNJIMA SA BARIJEROM ZA NAPONSKI NIVO DO 42 kV

BMSB Univerzalne čaure sa moment zavrtnjima za naponski nivo do 42 kV koriste se za spajanje aluminijumskih i bakarnih provodnika sektorskog i okruglog oblika naponskog nivoa do 42 kV. Telo čaure je napravljeno od legure aluminijuma visoke čvrstoće i otpornosti na koroziju. Površina čaure je galvanski kalajisanana. Vijci su izrađeni sa moment glavama odnosno kontrolisanom silom pritezanja. Čaure su ispunjene elektrokontaktnom mašću i zatvorene su čepovima.

NAPOMENA: Po zahtevu Kupca moguća je izrada i drugih dimenzija.

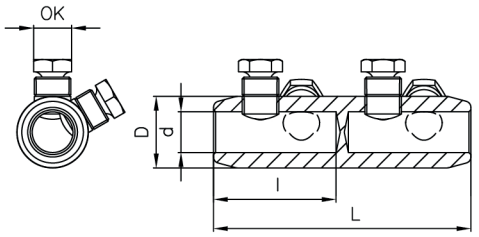
ENG.

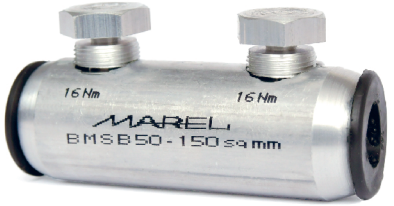
MECHANICAL CABLE JOINTS WITH CENTER STOP FOR VOLTAGE GRADE UP TO 42 kV

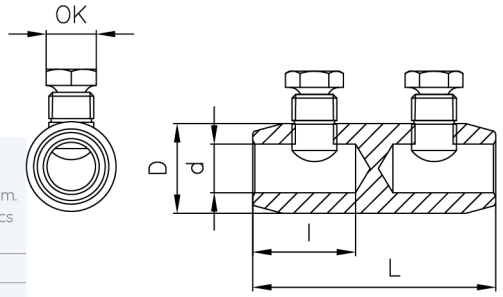
Mechanical Cable Joints BMSB are used to connect aluminum and copper conductors, both solid and stranded - round or sector, of voltage grade up to 42 kV. The body of the joint is made of aluminum alloy of high strength and resistance to corrosion. The surface of the joint is tin plated.

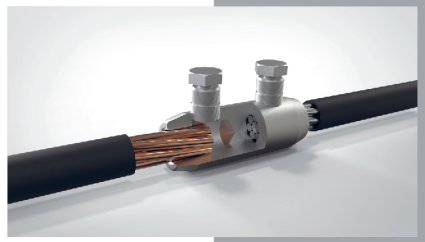
The bolts are made with shear-off heads and have controlled tightening torque. The joints are filled with electrical contact grease and sealed with plastic cap. BMSB joints have a solid center stop inside to ensure proper conductor positioning.

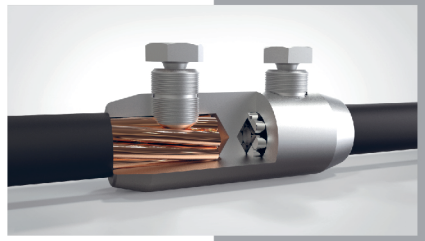
NOTE: At Customer request, it is possible to make other dimensions.

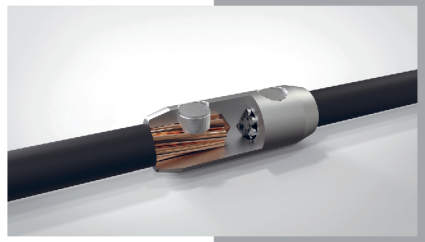












Kat.broj Cat. No	Kod Code	Presek provodnika (mm²) Conductor cross-section (mm²)	L (mm)	l (mm)	D (mm)	d (mm)	Broj kontaktnih vijaka No.of contact bolts	Ključ OK Head Size AF (mm)	Težina kg/100 kom. Weight kg/100 pcs
375802	BMSB 10-35	10-35	45	20	19	8.5	2	10	3.20
375804	BMSB 16-95	16-95	65	29	24	13	2	13	7.80
375806	BMSB 50-150	50-150	82	37	30	16.5	2	19	13.30
375808	BMSB 95-240	95-240	126	58	34	22	4	19	27.90
375810	BMSB 185-400	185-400	170	80	42	26	6	24	54.40
375812	BMSB 500	500	190	88	46	30	6	24	56.00
375814	BMSB 630	630	206	95	50	33	6	24	58.20

SRB.

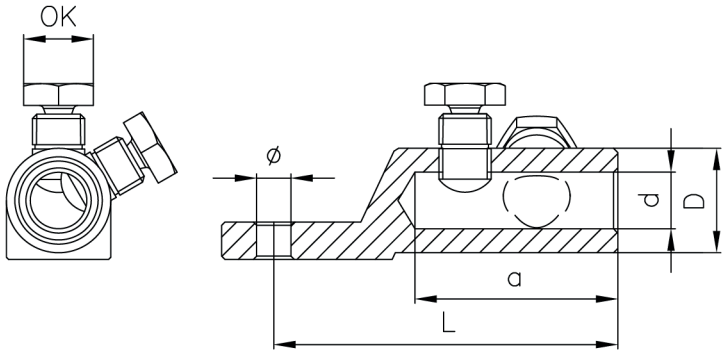
PAPUČICE SA MOMENT ZAVRTNJIMA BLMT-M ZA NAPONSKI NIVO DO 42 kV

Papučice sa zavrtnjima su pogodne za provodnike od aluminijuma ili bakra u obliku užeta - poprečnog preseka kruga ili sektora i u obliku jedne pune žice. Izolacija sa provodnika mora da se skine pre uvlačenja u papučicu sa zavrtnjima. Zavrtnji se zatežu odgovarajućim ključem sve dotle dok se glave zavrtnja ne otkinu. Na telu papučice je izražena sila pritezanja u Nm. Papučice sa zavrtnjima imaju široku primenu usled velikog opsega preseka provodnika sa kojima se koriste. Zadovoljava zahteve standarda EN 61238-1-1 i EN 61238-1-3 Class A
Toploskupljajuća cev koja se isporučuje na zahtev Kupca, osigurava savršeno zaptivanje i električnu izolaciju Papučice su za jednu upotrebu. Telo papučice je izradjeno od legure aluminijuma visoke čvstoće i otpornosti na koroziju i površinski su zaštićene kalajisanjem. Untrašnjost papučice je ispunjena elektrokontaktom mašću i zatvorena je zaštitnim čepom. Unutrašnjost papučice je nazubljena radi boljeg kontakta.

ENG.

MECHANICAL CABLE LUGS BLMT-M FOR VOLTAGE GRADE UP TO 42 kV

Mechanical cable lugs BLMT-M are suitable for aluminium or copper conductors, both solid and stranded - round or sector. The insulation must be stripped from the conductor before inserting it into a cable lug with shear-head bolts. The bolts are tightened using a suitable standard socket spanner until their heads shear off. The tightening torque in Nm is marked on the lug's body. Mechanical cable lugs have a wide scope of application due to the large scope of conductors they can be used with. The lugs fully comply with requirements of standards EN 61238-1-1 and EN 61238-1-3 Class A. Heat shrinkable tube that is delivered at Customer request, ensures perfect sealing and electrical insulation. The lugs are for single use only. The body of the lug is made of aluminium alloy of high strength and resistance to corrosion and the surface is additionally protected by tin-plating.
The lugs are filled with electrical contact grease and sealed with protective cap. The internal surface of the lug is grooved in order to ensure better electrical contact.

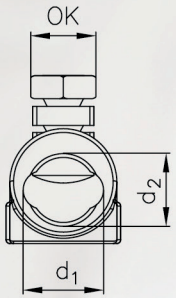


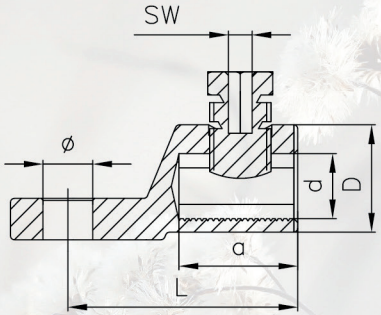
Kat.broj Cat. No.	Kod Code	Presek provodnika (mm²) Cross-sectional range (mm²)	Otvor rupe za vijak Palm hole (M)	L (mm)	a (mm)	D (mm)	d (mm)	Broj kontaktnih vijaka No.of contact bolts	Ključ OK Head Size AF (mm)	Težina kg/100 kom. Weight kg/100 pcs
375921	BLMT-M 16-95/M10	16-95	M10	60	30	24	12.8	1	13	6.25
375923	BLMT-M 16-95/M12	16-96	M12	60	30	24	12.8	1	13	6.25
375925	BLMT-M 35/150/M12	35-150	M12	86	35	28	15.8	2	17	12.50
375927	BLMT-M 35/150/M16	35-150	M16	86	35	28	15.8	2	17	12.50
375931	BLMT-M 95-240/M12	95-240	M12	112	60	33	20	2	19	21.50
375933	BLMT-M 95-240/M16	95-240	M16	112	60	33	20	2	19	21.50
375935	BLMT-M 120-300/M12	120-300	M12	115	65	37	24	2	22	26.00
375937	BLMT-M 120-300/M16	120-300	M16	115	65	37	24	2	22	26.00
375941	BLMT-M 185-400/M12	185-400	M12	126	75	41	28	3	22	27.50
375943	BLMT-M 185-400/M16	185-400	M16	126	75	41	28	3	22	27.50
375944	BLMT-M 185-400/M20	185-400	M20	126	75	41	28	3	22	27.50
375945	BLMT-M 500-630/M12	500-630	M12	177	-	50	33	3	27	46.00
375946	BLMT-M 500-630/M16	500-630	M16	177	-	50	33	3	27	46.00
375947	BLMT-M 500-630/M20	500-630	M20	177	-	50	33	3	27	46.00

SRB.

PAPUČICE SA MOMENT ZAVRTNJIMA BLMT-H ZA NAPONSKI NIVO DO 42kV

Papučice sa zavrtnjima su pogodne za provodnike od aluminijuma ili bakra u obliku užeta- poprečnog preseka kruga ili sektora i u obliku jedne pune žice. Izolacija sa provodnika mora da se skine pre uvlačenja u papučicu sa zavrtnjima. Papučice sa zavrtnjima imaju široku primenu usled velikog opsega preseka provodnika sa kojima se koriste.
Toploskupljajuća cev koja se isporučuje na zahtev Kupca, osigurava savršeno zaptivanje i električnu izolaciju. Papučice su za jednu upotrebu. Telo papučice je izradjeno od legure aluminijuma visoke čvstoće i otpornosti na koroziju i površinski su zaštićene kalajisanjem. Untrašnjost papučice je ispunjena elektrokontaktom mašću i zatvorena je zaštitnim čepom. Unutrašnjost papučice je nazubljena radi boljeg kontakta.





ENG.

MECHANICAL CABLE LUGS BLMT-H FOR VOLTAGE GRADE UP TO 42 kV

Mechanical Cable Lugs BLMT-H are suitable for aluminium or copper conductors, both solid and stranded - round or sector. The insulation must be stripped from the conductor before inserting it into a cable lug with shear-head bolts.

Mechanical cable lugs have a wide scope of application due to large scope of conductors they can be used with. Heat shrinkable tube that is delivered at Customer request ensures perfect sealing and electrical insulation. The lugs are for single use only. The body of the lug is made of aluminium alloy of high strength and resistance to corrosion and the surface is additionally protected by tin-plating .

The lugs are filled with electrical contact grease and sealed with protective cap. The internal surface of the lug is grooved in order to ensure better electrical contact.

Kat.broj Cat. No	Kod Code	Presek provodnika Al (mm²) prema EN 60228 Conductor cross-section Al (mm²) according to EN 60228 rm	sm	re	se	Presek provodnika Cu (mm²) prema EN 60228 Conductor cross-section Cu (mm²) according to EN 60228 rm	sm	re	Za fino žičane kablove (po zahtevu Kupca) For fine-stranded conductors (at Customer request)	L (mm)	a (mm)	D (mm)	d (mm)	Otvor rupe za vijak (M) Palm hole (M)	Broj kontaktnih vijaka Number of contact bolts	Vijak sa samokidajućom glavom /Shear-off head bolt Tip/Type: A OK/Imbus (duplo kidanje) AF/SW (double shear-off head bolt)	Tip/Type: D Imbus (duplo kidanje) SW (double shear-off head bolt)	Tip/Type: B OK (jedno kidanje) AF (single shear-off head bolt)
375838	BLMT-H 1,5-35/M8	10-35	35	10-35	35	1,5-35	35	1,5-35	-	40	16	16	9	M8	1	10/5	5	-
375839	BLMT-H 1,5-35/M10	10-35	35	10-35	35	1,5-35	35	1,5-35	-	40	16	16	9	M10	1	10/5	5	-
375840	BLMT-H 10-35/M8	10-35	35	10-35	35	10-35	35	10-35	-	40	16	16	9	M8	1	10/-	-	8
375841	BLMT-H 10-35/M10	10-35	35	10-35	35	10-35	35	10-35	25-35	40	16	16	9	M10	1	10/-	-	8
375842	BLMT-H 25-50/M10	25-50	35-50	25-50	35-50	25-50	35-50	25-35	25-35	40	16	18	10	M10	1	10/-	-	8
375843	BLMT-H 25-50/M12	25-50	35-50	25-50	35-50	25-50	35-50	25-35	4-35	40	16	18	10	M12	1	10/-	-	8
375822	BLMT-H 4-50/M10	10-50.	35-50.	10-50.	35-50.	4-50.	35-50.	4-50.	4-35	40	16	18	10	M10	1	10/5	5	-
375823	BLMT-H 4-50/M12	10-50.	35-50.	10-50.	35-50.	4-50.	35-50.	4-50.	16-70	40	16	18	10	M12	1	10/5	5	-
375824	BLMT-H 16-95/M10	16-95	35-95	16-95	35-95	16-95	16-95	16-95	16-70	52	24	25	14	M10	1	13/-	-	10
375825	BLMT-H 16-95/M12	16-95	35-95	16-95	35-95	16-95	35-95	16-95	25-95	52	24	25	14	M12	1	13/-	-	10
375844	BLMT-H 25-150/M12	25-150	35-150	25-150	35-150	25-150	35-150	16-35	25-95	60	31	28	17	M12	1	17/6	6	-
375845	BLMT-H 25-150/M16	25-150	35-150	25-150	35-150	25-150	35-150	16-35	35-95	60	31	28	17	M16	1	17/6	6	-
375826	BLMT-H 35-150/M12	35-150	35-150	50-150	50-150	35-150	35-150	35	35-95	60	31	28	17	M12	1	17/-	-	13
375827	BLMT-H 35-150/M16	35-150	35-150	50-150	50-150	35-150	35-150	35	25-120	60	31	28	17	M16	1	17/-	-	13
375828	BLMT-H 25-185/M12	25-185	35-185	25-185	35-185	25-185	35-185	25-35	25-120	77	37	32	19	M12	2	19/6	6	-
375829	BLMT-H 25-185/M16	25-185	35-185	25-185	35-185	25-185	35-185	25-35	70-120	77	37	32	19	M16	2	19/6	6	-
375830	BLMT-H 70-185/M12	70-185	70-185	70-185	70-185	70-185	70-185	-	70-120	77	37	32	19	M12	2	19/-	-	13
375831	BLMT-H 70-185/M16	70-185	70-185	70-185	70-185	70-185	70-185	-	50-185	77	37	32	19	M16	2	19/-	-	13
375846	BLMT-H 50-240/M12	50-240	50-240	50-240	50-240	50-240	50-240	-	50-185	97	56	35	22	M12	2	19/8	8	-
375847	BLMT-H 50-240/M16	50-240	50-240	50-240	50-240	50-240	50-240	-	120-185	97	56	35	22	M16	2	19/8	8	-
375834	BLMT-H 120-240/M12	120-240	120-240	120-240	120-240	120-240	120-240	-	120-185	97	56	35	22	M12	2	19/-	-	13
375835	BLMT-H 120-240/M16	120-240	120-240	120-240	120-240	120-240	120-240	-	95-185	97	56	35	22	M16	2	19/-	-	13
375826	BLMT-H 50-300/M12	50-300	50-300	50-300	50-300	50-240	50-240	-	95-185	105	60	38	23	M12	2	22/8	8	-
375837	BLMT-H 50-300/M16	50-300	50-300	50-300	50-300	50-240	50-240	-	150-185	105	60	38	23	M16	2	22/8	8	-
375832	BLMT-H 150-300/M12	150-300	150-300	150-300	150-300	150-300	150-300	-	150-185	105	60	38	23	M12	2	22/-	-	13
375833	BLMT-H 150-300/M16	150-300	150-300	150-300	150-300	150-300	150-300	-		105	60	38	23	M16	2	22/-	-	13

Napomena: Prilikom naručivanja upisati kod i tip vijka.

Note: When ordering,specify the code and type of bolt.

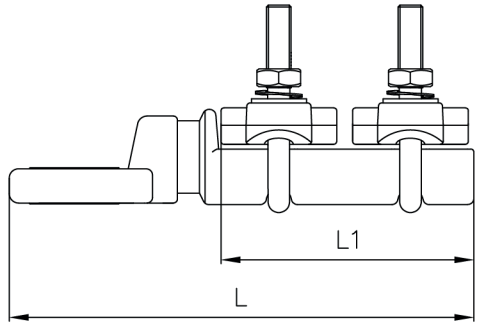
SRB.

VIJČANA KABLOVSKA BIMETALNA PAPUČICA CBM

Vijčane kablovske bimetalne papučice tipa CBM su dizajnirane i izrađene tako da mogu da se upotrebljavaju i na aluminijumskim i bakarnim provodnicima bez razlike. Prednost im je i to što imaju veliki opseg prihvata tako da jedna papučica može da se upotrebljava za više dimenzija preseka provodnika. Unutrašnji žlebovi papučice su nazubljeni i namazani elektrokontaktnom mašću, što između ostalog, garantuje kvalitetan i dugoročno pouzdan spoj.
Opciono na papučice mogu biti ugrađeni vijci sa samokidajućom glavom što omogućava kontrolisanu silu pritezanja.

Pre ugradnje sa kablova ukloniti izolaciju. Pogodna je za sve vrste alumijumskih i bakarnih kablova bez obzira na konstrukciju.

Kat.broj Cat. No.	Kod Code	Presek provodnika (mm²) Conductor cross-section (mm²)	d1 (mm)	d2 (mm)	L(mm)	L1(mm)	Težina kg/100 kom Weight kg/100 pcs
371566	CBM 95	16-95	13	25	120	65	18.80
371567	CBM 240	95-240	13	40	148	90	33.20

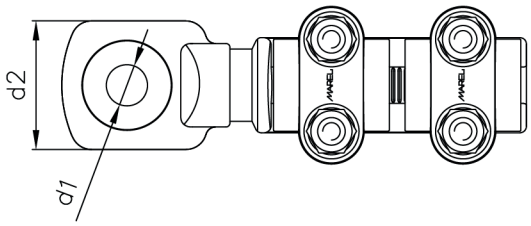


ENG.

SCREW TYPE BIMETAL CABLE LUG CBM

Screw Type Bimetal Cable Lugs CBM are designed and manufactured to be used with both aluminum and copper conductors. Their advantage is a big range of conductor cross-sections, so one lug can be used with conductors of different cross-sections.
The inside grooves of the lug are serrated and lubricated with electrical contact grease, which guarantees a high-quality and long-term reliable connection.

Optionally, the lugs can be equipped with shear-off head bolts, which allows controlled tightening force.



Proizvođač MAREL d.o.o. za sve svoje proizvode, a na zahtev Kupca dostavlja pismenu garanciju od minimum 3 godine na kvalitet, funkcionalnost i pouzdanost.

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Na zahtev Kupaca dostavljamo :

- protokole i uverenja o tehničkim ispitivanjima izdatim od strane akreditovane laboratorije;
- pojedinačnu tehničku dokumentaciju za svaki proizvod;
- uputstva za upotrebu.

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