



MAREL

Marel Universal Terminals Class A



Unbreakable Link



MAREL

"MAREL" D.O.O.
PRIVREDNO DRUŠTVO ZA PROIZVODNJU, PROMET I USLUGE
VELIKO GOLOVODE, 37000 KRUŠEVAC, SRBIJA
TEL: +381 (37) 35 66 266, 35 66 262
marel@marel.rs; www.marel.rs

Marel Universal Terminals are intended for connection of aluminium or copper conductors, both solid and stranded - round or sector and of cross section from 1,5 mm² up to 240 mm². They find application in a wide range of power distribution facilities, industrial and infrastructural facilities.



The main advantage of Marel Universal Terminals Class A (MSKA) is low transient resistance and big permitted tightening force (Nm). Tightening force is achieved through socket set screws as the most reliable solution for obtaining high quality pressure on the conductor. This results in less heating of MSKA in working conditions and brings it into position to have 35-40 % less losses compared to equivalent connectors on the market.

Why Marel Universal Terminals Class A ?

Marel Universal Terminals Class A fulfill the requirements of standard EN 61238-1. Heat cycle and short-circuit test are according to EN 61238-1 class A and since the connectors fulfill the requirements of this standard they can be classified as class A.

Connection is done with socket set screws and the connection fulfills requirements of standards EN 61238-1 and SRPS N.F 4 106. Tightening force is marked on each connector. Ingress Protection rating is IP20.

The contact points of the connectors are protected with electrical contact grease.

The housing of the connector is made of flame retardant material UL 94 V-0.

The inside grooves of the connector are toothed in order to ensure better contact.





Marel Universal Terminals Class A, 1-pole

Tip	Poprečni presek	Boja	Nazivna struja	Napon	Imbus ključ br.	Max Sila stezanja	Montiranje	Težina
MSKA60.1	Al/Cu 1.5-16 mm ²	Siva	82A	750V	4	7 Nm	DIN šina	15 g
MSKA60.2	Al/Cu 1.5-16 mm ²	Plava	82A	750V	4	7Nm	DIN šina	15 g
MSKA60.3	Al/Cu 1.5-16 mm ²	Žuta/Zelena	82A	750V	4	7Nm	DIN šina	15 g
MSKA61.1	Al/Cu 2.5-50mm ²	Siva	160A	750V	5	10Nm	DIN šina	35 g
MSKA61.2	Al/Cu 2.5-50mm ²	Plava	160A	750V	5	10Nm	DIN šina	35 g
MSKA61.3	Al/Cu 2.5-50mm ²	Žuta/Zelena	160A	750V	5	10Nm	DIN šina	35 g
MSKA62.1	Al/Cu 16-95mm ²	Siva	245A	750V	5	20Nm	DIN šina	90 g
MSKA62.2	Al/Cu 16-95mm ²	Plava	245A	750V	5	20Nm	DIN šina	90 g
MSKA62.3	Al/Cu 16-95mm ²	Žuta/Zelena	245A	750V	5	20Nm	DIN šina	90 g



Marel Universal Terminals Class A, 3-pole

Tip	Poprečni presek	Boja	Nazivna struja	Napon	Imbus ključ br.	Max Sila stezanja	Montiranje	Težina
MSKA61.4	Al/Cu 2.5-50 mm ²	Siva	160A	750V	5	10 Nm	DIN šina	95 g

Note: On Customer's request, we can deliver Universal Terminal MSKA that can be installed without a DIN rail but using two or more screws which fasten the connector directly onto the flat surface of the cabinet.

*On Customer's request, we can provide a table of Marel Universal Terminals Class A (MSKA) for connection of aluminium and copper conductors up to 240mm².





Comparative test:

Set consists of: Copper conductor 35mm², terminal connector of another manufacturer, Aluminum conductor 35mm², Marel Universal Terminal Class A, Copper conductor 50mm². Electrical current through the set is 206A. Tightening force is 10Nm on both connectors. The difference in temperature of tested connectors after 120 min and current of 206A is 28.2°C which means that Marel Universal Terminal Class A is 39% less heated.

