

# TECHNICAL DATA

# MODE 3 CHARGING CABLE

FOR CHARGING OF ELECTRIC VEHICLES

Article number MENNEKES

36404



## **MENNEKES**

STECKER GMBH & CO. KG

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GERMANY

[WWW.MENNEKES.DE](http://WWW.MENNEKES.DE)

<b>CHARGING CABLE MODE 3</b>	<b>36404</b>
PLUG DEVICE ON VEHICLE SIDE (FEMALE)	Type 2
PLUG DEVICE ON INFRASTRUCTURE SIDE (MALE)	Type 2
CHARGING MODE	MODE 3
STANDARD OF THE CHARGING MODE	IEC 61851
STANDARD OF THE PLUG DEVICE FOR THE VEHICLE SIDE	IEC 62196-2
STANDARD OF THE PLUG DEVICE FOR THE INFRASTRUCTURE SIDE	IEC 62196-2
STANDARD OF THE COMMUNICATION INTERFACE	Type 2 IEC 62196
SIGNAL TRANSMISSION TYPE	Puls with modulation
RATED VOLTAGE $U_N$ [V] AC	250
NOMINAL FREQUENCY $f_N$ [HZ]	50
RATED CURRENT $I_N$ [A]	32
NUMBER OF PHASES	1
NUMBER OF SIGNAL CONTACTS	2
RATED CURRENT OF THE SIGNAL CONTACTS [A]	2
RATED VOLTAGE OF THE SIGNAL CONTACTS [V]	30
RESISTOR CODING IN [ $\Omega$ ] INCLUDING TOLERANCE	220 +/- 3
MATING CYCLES	10.000
INSERTION FORCE [N]	<100
PULLING FORCE [N]	<100
PROTECTION CLASS PLUG/CONNECTOR (UNMATED)	IP20
PROTECTION CLASS CONNECTED (MATED)	IP44

PROTECTION CLASS PROTECTIVE CAP (MATED)	IP44
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**CABLE DATA**

STANDARD OF THE CHARGING CABLE	DIN EN 50620
CABLE STRUCTURE	3x6mm <sup>2</sup> + 1x0.5mm <sup>2</sup>
CABLE TYPE	Straight
MATERIAL OF THE OUTER SHEATH	TPE-U
COLOR OF THE OUTER SHEATH	SKY BLUE SIMILAR RAL 5015
MINIMAL BENDING RADIUS STATIC [MM]	≥ 4 x D
MINIMAL BENDING RADIUS FLEXING [MM]	≥ 7,5 x D

**TESTING**

CE CERTIFICATE	Yes
ROHS CONFORMITY	Yes

**ACCEPTABLE ENVIRONMENT CONDITIONS**

MINIMAL AMBIENT TEMPERATURE OPERATION [°C]	-30
MAXIMAL AMBIENT TEMPERATURE OPERATION [°C]	+50
MINIMAL AMBIENT TEMPERATURE STORAGE / TRANSPORT [°C]	-40
MAXIMAL AMBIENT TEMPERATURE STORAGE / TRANSPORT [°C]	+80
MAXIMAL ALTITUDE [METERS OVER THE SEA LEVEL]	< 4.000

STAND 09.25  
ÄNDERUNGEN VORBEHALTEN. FÜR DRUCKFEHLER KEINE HAFTUNG.

**DIMENSIONS**

DIMENSIONS OF THE VEHICLE CHARGING PLUG L X W X H [MM] 159 x 70 x 63

DIMENSIONS OF THE INFRASTRUCTURE CHARGING PLUG L X W X H [MM] 149 x 57.5 x 50.5

CABLE LENGTH [MM] 7.200 ±175

OVERALL LENGTH [MM] 7.500 ±175

**PLASTIC COMPONENTS**

HOUSING COLOUR  
1. BLACK, SIMILAR RAL 9005  
2. SKY BLUE SIMILAR RAL 5015

PROTECTION CAP COLOR Black (similar RAL9005)

HOUSING MATERIAL PA 6 + TPE

PROTECTION CAP MATERIAL TPU

# DIMENSIONAL DRAWING

