

TECHNICAL DATA

MODE 3 CHARGING CABLE

FOR CHARGING OF ELECTRIC VEHICLES

Article number MENNEKES

36435



MENNEKES

STECKER GMBH & CO. KG

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CHARGING CABLE MODE 3	36435
PLUG DEVICE ON VEHICLE SIDE (FEMALE)	Type 1
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 ² + 1x0.5mm ²
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

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

