

TECHNICAL DATA

MODE 3 CHARGING CABLE

FOR CHARGING OF ELECTRIC VEHICLES

Article number MENNEKES

36437



MENNEKES

STECKER GMBH & CO. KG

ALOYS-MENNEKES-STRASSE 1
57399 KIRCHHUNDEM
GERMANY

WWW.MENNEKES.DE

CHARGING CABLE MODE 3	36437
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	480
NOMINAL FREQUENCY f_N [Hz]	50
RATED CURRENT I_N [A]	20
NUMBER OF PHASES	3
NUMBER OF SIGNAL CONTACTS	4
RATED CURRENT OF THE SIGNAL CONTACTS [A]	2
RATED VOLTAGE OF THE SIGNAL CONTACTS [V]	30
RESISTOR CODING IN $[\Omega]$ INCLUDING TOLERANCE	680 +/- 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	5x2,5mm ² + 1x0.5mm ²
CABLE TYPE	COILED
MATERIAL OF THE OUTER SHEATH	TPE-U
COLOR OF THE OUTER SHEATH	BLACK (similar RAL9005)
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]	430 ±50
OVERALL LENGTH [MM]	4.000 ±175

PLASTIC COMPONENTS	
HOUSING COLOUR	Light gray (similar RAL 7035)
PROTECTION CAP COLOR	Black (similar RAL9005)
HOUSING MATERIAL	PA 6 + TPE
PROTECTION CAP MATERIAL	TPU

DIMENSIONAL DRAWING

