MENNEKES
MY POWER CONNECTION

Charging Cable Mode 2 Type 2 10A 4m

for charging electric vehicles

Part number: 35201100063



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Charging cable Mode 2	
Plug device on vehicle side (female)	type 2
Plug device on infrastructure side (male)	SCHUKO®
Charging mode	Mode 2
Standard of the charging mode	IEC 61851-1
Standard of the plug device for the vehicle side	IEC 62196-2
Standard of the plug device for the infrastructure side	VDE 0620-2-1
Signal transmission type	Pulse width modulation
Rated voltage UN [V] AC	250
Nominal frequency fN [Hz]	50
Rated current IN [A]	10
Number of phases	1
Number of signal contacts (CP;PP)	2
Surface material of the contacts	silver-coated
Rated current of the signal contacts [A]	2
Rated voltage of the signal contacts [V]	30
Resistor coding in [Ω] including tolerance	680 ± 3%
Mating cycles	>10,000
Insertion force [N]	<100
Pulling force [N]	<100
Protection class (unmated)	IP20
Protection class (mated)	IP44
Protection class protective cap	IP44

Cable data vehicle side	
Cable standards / regulations	DIN EN 50620
Cable Type	EVC H07BZ5-F
Cable bending radius static [mm]	≥4x D
Cable bending radius dynamic [mm]	≥7,5x D
Cable structure [quantity x mm^2]	3x 2.5
Cable type	straight
Color of the outer sheath	sky blue (similar RAL 5015)

Cable data infrastructure side	
Cable standards / regulations	DIN EN 50620
Cable Type	EVC H07BZ5-F
Cable bending radius static [mm]	≥4x D
Cable bending radius dynamic [mm]	≥7,5x D
Cable structure [quantity x mm^2]	3x 2.5
Cable type	straight
Color of the outer sheath	sky blue (similar RAL 5015)

Environment Conditions	
Minimal ambient temperature operation [°C]	-40
Maximal ambient temperature operation [°C]	50
Minimal ambient temperature storage / transport [°C]	-40
Maximal ambient temperature storage / transport [°C]	75

Dimensions	
Dimensions of the vehicle charging plug L x B x H [mm]	159 x 70 x 63
Dimensions of the infrastructure charging plug L x B x H [mm]	68 x 42 x 65
Cable length vehicle side [mm] (L2)	3,160
Cable length infrastructure side [mm] (L1)	300
Overall length [mm]	4,000

Plastic components	
Housing material	PA 6 + TPE
Housing colour	black (similar RAL 9005), sky blue (similar RAL 5015)
Protection cap material	TPU
Protection cap colour	black (similar RAL 9005)
Coupler front part colour	black (similar RAL 9005)

ICCPD-Module	
Standard of the ICCPD-Module	DIN EN 62752:2022

ICCPD-Module	
Dimensions of the ICCPD L x W x H [mm]	232 x 89 x 49
Protection class ICCPD module	IP67 / IP69k
Type FI switch	A
Multi-level temperature management	yes
Automatic charging current reduction in case of overheating of the tool side connector or the IC-CPDs module	yes
Colour infrastructure plug	black (similar RAL 9005)
Colour ICCPD module	black (similar RAL 9005), sky blue (similar RAL 5015)

Dimensional drawing

