

INSTALLATION INSTRUCTIONS

Effective date: March 21, 2023

Supersedes: All Previous

McKinney®

ASSA ABLOY

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NOT TO SCALE

MCKINNEY MK100ME CONCEALED HINGE 3D ADJUSTABLE WITH “CC” CONCEALED CIRCUIT

The McKinney “CC” Concealed Circuit Hinge is an intermediate connector which allows for the passage of a constant flow of current between the source of power and the actuated devices in the door, i.e. electric locks, exit devices, etc. regardless of the door position.

NOTE: Door and frame should be prepared per McKinney MK100 Concealed Hinge Installation Instructions with alterations shown prior to installing “CC” hinge. Instructions can be downloaded from our website at assaabloydooraccessories.us.

LOCATION:

A minimum of (3) hinges are required when using a “CC” hinge. The “CC” hinge should be located closest to the middle of door.

INSTALLATION:

NOTE: Do not disassemble hinge. Serious damage will occur and void any warranty. Wire access holes must be burr free to avoid damaging wires. Before attaching any wires make sure that hinge will fit properly in mortise without any binding or pinching of wires. DO NOT allow the hinge to hang by wires while making connections. Damage could occur to the wires.

1. Connect wires from door to wires on hinge door leaf. Ensure wires are not pinched or damaged while inserting door hinge section into socket created in milling. Hinge should be flush against door edge surface.
2. Secure door hinge section with four (4) MS-0.8 x 20 mm Metal Screws or 35 mm Phillips Head Wood Screws provided.
3. Connect wires from frame to wires on hinge frame leaf. Ensure wires are not pinched or damaged while inserting door hinge section into socket created in milling. Hinge should be flush against frame edge surface.
4. Secure frame hinge section with four (4) MS-0.8 x 20 mm Metal Screws or 35 mm Phillips Head Wood Screws provided.

LOAD CAPACITY:

See chart for minimum number of hinges required based on correct adjustment (all hinges carrying load), door width and door weight.

Door height minimum is 80".

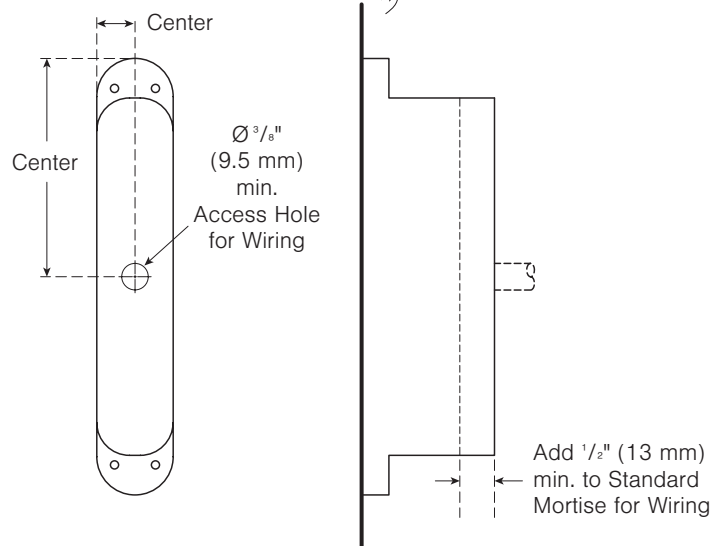
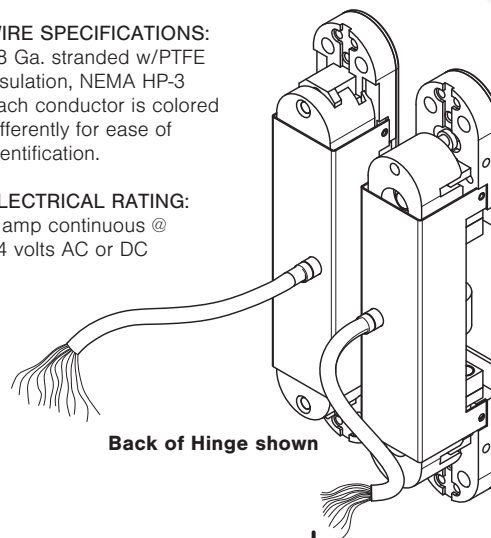
Door thickness minimum is 1 3/8".

Note: Hinge spacing does not affect load capacity. The first door should always be checked before preparing more doors, if any. When installing with a door closer, at least 3 hinges are required, and reduce maximum door weight in chart by 30%.

A minimum of 3 hinges are required when using an electrified hinge. The electrified hinge should be located closest to the middle of door.

WIRE SPECIFICATIONS:
28 Ga. stranded w/PTFE insulation, NEMA HP-3
Each conductor is colored differently for ease of identification.

ELECTRICAL RATING:
2 amp continuous @
24 volts AC or DC



Hinges	Door Width			
	32"	36"	42"	48"
2	224 lb	220 lb	180 lb	165 lb
3	253 lb	246 lb	202 lb	185 lb
4	282 lb	275 lb	216 lb	198 lb

For product, parts, templates, or technical assistance, please visit us at:
<http://www.mckinneyhinge.com/>