

# Saudi Code RAG QA

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Inspection Results:

Item	Status	Notes / SBC Reference
Quality of external sockets	Passed	(the socket appears to be in good condition without visible damage).
Proper installation of socket wiring	Partial pass	: The wiring appears to be visible which might not be safe. Ideally, wiring should be concealed for safety and aesthetics. SBC Ref: * The wire ends should be insulated up to the connection point (SBC requirement no. 2025 - 03 - 01) + Full

		insulation of wires must be maintained up to the connection point to prevent arcing, according to sbc401 - 8. + Repair method: Re-insulate the wire end using appropriate insulation tools and ensure its proper connection. + Estimated cost (SAR): 20 * The wires must be tightly secured inside the screws (SBC requirement no. 2025 - 03 - 02) + Code stipulates that wire connections must be tight to avoid overheating or connection failure. + Repair method: Reinstall the wires tightly inside the screws using an insulated screwdriver. + Estimated cost (SAR): 25
Covering of external sockets	<b>Not passed</b>	: The socket is not fully covered by any protective plate, which could pose a risk. SBC Ref: To meet SBC requirement (sbc401-8) for covering of external sockets, the following steps should be taken: * Ensure that the cover has an IP55 or higher protection rating to resist water and dust. This meets the required protection standard of at least IP55. * The cost estimate for replacing the cover with a new one that has an IP55 or higher protection rating is 45 SAR (Saudi Riyals). For the quality requirement of external sockets (requirement no. 2025-01-05), the following steps should be taken: * Add an approved protective cover to the external socket to prevent damage to internal parts from weather conditions. This meets the required protective cover standard. * The cost estimate for adding an approved protective cover to the external socket is 25 SAR (Saudi Riyals).
Alignment of sockets horizontally	<b>Passed</b>	(the socket is well-aligned horizontally).
Grounding connection	<b>Unmeasurable</b>	(cannot verify grounding from the image).
Labeling of electrical circuits	<b>Unmeasurable</b>	(no labeling is visible in the image).
Lighting distribution	<b>Unmeasurable</b>	(the image does not show lighting fixtures or any distribution context).
Height of sockets	<b>Passed</b>	(the socket is installed at standard height for typical applications like wall-mounted devices).
Consistency in socket distribution	<b>Unmeasurable</b>	(only one socket is visible in the image).
Condition of electrical switches	<b>Unmeasurable</b>	(no switches are visible in the image).

Switch height above floor level	<b>Unmeasurable</b>	(no switches are visible in the image).
Consistency of switches with wall design	<b>Unmeasurable</b>	(no switches are visible in the image).
Safety of control switches	<b>Unmeasurable</b>	(no switches are visible in the image).
Compliance of switch covers with standards	<b>Unmeasurable</b>	(no switch covers are visible in the image).
Location of switches	<b>Unmeasurable</b>	(no switches are visible in the image).

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