

Use this record to compare an exact terminal block sample with the project requirement, current drawing and ordered configuration. Complete unresolved items before sample release.

01PROJECT AND SAMPLE IDENTITY

PROJECT / EQUIPMENT	CUSTOMER / COMPANY
REVIEWER / DEPARTMENT	REVIEW DATE
YIHENTRA MODEL / SUFFIX	LEGACY OR CROSS-REFERENCE MODEL
SAMPLE QUANTITY / LOT	SUPPLIER CONTACT

02IDENTITY, CONFIGURATION AND MATING

- ☐ 1.1 Full model, suffix and product marking match the request and sample label.
- ☐ 1.2 Mounting and wire-entry direction match the PCB, enclosure and service access.
- ☐ 1.3 Keying, latch, flange, color and requested options are recorded and checked.
- ☐ 2.1 Connection family, pitch, positions and row count match the approved requirement.
- ☐ 2.2 For pluggable parts, plug and header are the exact mating pair with correct orientation.
- ☐ 2.3 Current drawing revision and ordered configuration are identified before measurement.

03MECHANICAL AND PCB INTERFACE

CHECK	REQUIREMENT	SAMPLE A	SAMPLE B	RESULT
Pitch / center spacing				
First-to-last center span				
Pin size and PCB hole				
Housing width / height				
PCB seating / orientation				
Mating pair / retention				

- ☐ 1.1 Pin layout, first-pin location and row spacing agree with the exact PCB drawing.
- ☐ 1.2 Tool, actuator, conductor bend and mating / withdrawal paths remain accessible.
- ☐ 2.1 Housing envelope, board edge and enclosure opening have adequate clearance.
- ☐ 2.2 Sample seats as intended without forcing pins, housing or PCB into position.

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Record conductor preparation, electrical requirements and the evidence package before sample findings are released.

WIRING, RATINGS AND EVIDENCE

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04 CONDUCTOR PREPARATION AND TERMINATION

WIRE MARKING / AWG / MM2

FERRULE STYLE / CONDUCTORS PER POINT

SPECIFIED TORQUE / ACTUATION

SOLID / STRANDED / FERRULED

SPECIFIED STRIP LENGTH

DRIVER / TOOL / PROCESS CONTROL

☐ 1.1

Prepared conductor matches the exact model's documented acceptance range.

☐ 1.2

Conductor is fully inserted and no unintended bare copper remains exposed.

☐ 1.3

Internal pull / handling check is defined, recorded and appropriate to the project.

☐ 2.1

Stripping does not nick strands; insulation does not enter the contact zone.

☐ 2.2

Screw torque or spring actuation follows the exact current product instruction.

☐ 2.3

Rewiring or release can be performed with the specified tool and available access.

05 ELECTRICAL AND APPLICATION REQUIREMENTS

REQUIRED CURRENT / VOLTAGE

TARGET MARKET / APPLICABLE STANDARD

REQUIRED MATERIAL / FLAMMABILITY EVIDENCE

OPERATING TEMPERATURE / ENVIRONMENT

POLLUTION / OVERVOLTAGE CONTEXT

REQUIRED CERTIFICATION / DECLARATION EVIDENCE

☐ 1.1

Ratings are taken from the exact ordered model and applicable condition, not appearance.

☐ 1.2

No certification, compliance or service-life claim is inferred from a physical sample.

☐ 2.1

Application current, voltage, temperature and installation remain within approved evidence.

☐ 2.2

Any Spring-model ratings still pending supplier confirmation remain open, not assumed.

06 REQUIRED DOCUMENT PACKAGE

DOCUMENT / EVIDENCE	PROVIDED	NUMBER / REVISION	VERIFIED BY / DATE
Exact product drawing	☐		
Current product data sheet	☐		
Approval evidence required by market	☐		
Material / compliance declarations required	☐		
Assembly or wiring instruction	☐		
Sample photos and measurement record	☐		

FINDINGS, ACTIONS AND RELEASE

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07 SAMPLE INSPECTION AND FUNCTIONAL OBSERVATIONS

- ☐ 1.1 Housing, contacts, pins, screws / actuators and markings are visually recorded.
- ☐ 1.2 PCB seating, solder access and orientation are checked on the intended board or fixture.
- ☐ 1.3 Conductor insertion, clamping and release are checked with production-intent wire.
- ☐ 2.1 Measured values are compared with the exact drawing and tolerances, where supplied.
- ☐ 2.2 Mating, retention, insertion and release are observed using the exact counterpart.
- ☐ 2.3 Any continuity, polarity, dielectric or thermal test method and result are separately recorded.

EVIDENCE BOUNDARY

A physical sample cannot prove certification, market compliance or every electrical / environmental condition. Keep unsupported or outdated evidence open until the required documents and tests are verified.

08 OPEN ACTIONS AND CLOSURE

OPEN ACTION / DIFFERENCE	OWNER	DUE DATE	CLOSURE EVIDENCE

SAMPLE DECISION

- ☐ Approved for next prototype / validation stage
- ☐ Conditionally approved - actions remain open
- ☐ Rejected / replacement or new sample required

This decision records an internal sample-selection stage. It is not a third-party certification, final order release or blanket compatibility approval.

PROCUREMENT

ENGINEERING

QUALITY

SUPPLIER / YIHENTRA RESPONSE

ONLINE CHECKLIST, DRAWINGS AND RFQ

<https://www.yihentra.com/guides/terminal-block-sample-approval-checklist>[Open the online resource or email the completed findings to YIHENTRA.](#)