

Mitsubishi Electric MR-D05UDL3M-B

MR-D05UDL3M-B STO Cable Installation and Verification Manual

Mitsubishi Electric 3 m Safe Torque Off (STO) cable for CN8

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited Mitsubishi Electric manufacturer sources. No product photograph is included.

Product / lookup identity	Mitsubishi Electric MR-D05UDL3M-B
Reference number	MR-D05UDL3M-B
Document basis	Published Mitsubishi Electric product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/Mitsubishi/mr-d05udl3m-b>
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Workflow and system context

Mitsubishi Electric MR-D05UDL3M-B is a 3 m Safe Torque Off (STO) connection cable for the CN8 safety interface. The cable carries two STO input channels and the associated monitor/output conductors documented for the CN8 interface: STO1, STO2, STOCOM/24G, TOF1, TOF2 and TOFCOM/24V.

01	Safety controller: dual STO command and monitoring interface
02	Cable: MR-D05UDL3M-B, 3 m, B-suffix controller-side configuration
03	Drive: CN8 STO interface with STO1/STO2 and TOF monitoring conductors

Published context and boundaries

01	Verify the complete MR-D05UDL3M-B label and material number 227986 before installation.
02	Confirm that the safety controller is not MR-J3-D05; Mitsubishi Electric assigns a different 3 m cable for that controller context.
03	Use the host drive and safety-controller manuals to verify CN8 pin numbering, connector orientation and conductor destinations.

Verification and release checks

01	Verify the complete MR-D05UDL3M-B label and material number 227986 before installation.
02	Confirm that the safety controller is not MR-J3-D05; Mitsubishi Electric assigns a different 3 m cable for that controller context.
03	Do not substitute MR-D05UDL3M, MR-D05UDL03M, MR-D05UDL1M or an EG open-end variant without an exact approved wiring review.
04	De-energize the drive and follow the machine's approved lockout, discharge and functional-safety procedures.
05	Use the host drive and safety-controller manuals to verify CN8 pin numbering, connector orientation and conductor destinations.
06	Do not treat signal names as independent voltage, current or safety-integrity ratings for the cable.

Identity and release controls

Verification Status	Verified Exact Model Create New
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Official Mitsubishi Electric sources

Mitsubishi Electric MDS-DM2 Series Specifications Manual	https://www.mitsubishielectric.com/dl/fa/document/manual/cnc/ib1501136/ib1501136engb.pdf
Mitsubishi Electric C80 Series Connection and Setup Manual	https://www.mitsubishielectric.com/dl/fa/document/manual/cnc/ib1501452/ib1501452engf.pdf
Mitsubishi Electric Safety Solutions Catalog	https://www.mitsubishielectric.com/dl/fa/document/catalog/sol/safety/1%28na%2908142e/108142eb.pdf
Mitsubishi Electric CNC Drive System General Catalog	https://dl.mitsubishielectric.com/dl/fa/document/catalog/cnc/bnp-a1232%28eng%29/bnpa1232enga.pdf
Mitsubishi Electric MR-D05UDL3M-B product listing	https://tr-fa.mitsubishielectric.com/fa/products/drv/servo/servo-options/cables?redirect_from_legacy=1
Mitsubishi Electric MR-J3/MR-J4 replacement guidance	https://www.mitsubishielectric.com/fa/document/sales/servo/17-06e/17-06be.pdf