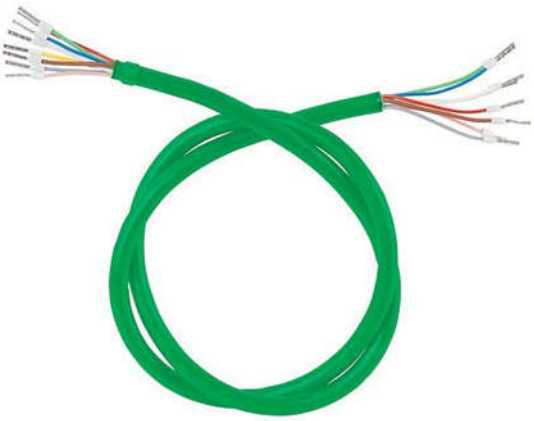
Specifications

Eaton 187457

Catalog Number: 187457

Eaton SWD4 SmartWire-DT round cable IP67, 250 meters, 5-pole, not prefabricated



General specifications

Product Name	**Catalog Number**
Eaton SWD4 Accessory Round cable	187457
EAN	**Product Length/Depth**
4015081825158	356 mm
Product Height	**Product Width**
230 mm	356 mm
Product Weight	**Compliances**
10 kg	CE

Catalog Notes

not ready-assembled

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Features & Functions

Features

Longitudinal water blocking cable

Oil resistant (acc. EN 60811-404)

Oil resistant (acc. IEC 60811-404)

Radial water blocking cable

UV resistant

Functions

For connecting peripheral SmartWire-DT cards

General

Cable length

250 m

Number of Poles

Five-pole

Outer diameter - approximate

5.6 mm

Outer sheath material

Polyvinyl chloride (PVC)

Permitted bending radius, moving application with forced guidance - min

38 mm

Product category

SmartWire-DT accessories

Suitable as

Signaling cable

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

45 °C

Safety

Flame retardant

In accordance with EN 60332-1-2

Design verification

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Rated operational current for specified heat dissipation (In)

0 A

Static heat dissipation, non-current-dependent Pvs

0 W

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

Meets the product standard's requirements.

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.8 Connections for external conductors

Is the panel builder's responsibility.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.10 Temperature rise

The panel builder is responsible for the temperature rise

Resources

Brochures

eaton-smartwire-dt-intelligent-wiring-brochure-br120001en-en-us.pdf

Catalogs

SmartWire-DT Catalog

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

Product Range Catalog Drives Engineering

Declarations of conformity

DA-DC-00003537.pdf

DA-DC-00003868.pdf

Drawings

eaton-modular-plc-swd4-mb-power-cable-dimensions-004.eps

eaton-modular-plc-cable-swd4-round-cable-3d-drawing.eps

Installation instructions

IL120005ZU

Installation videos

SmartWire-DT in Application

Manuals and user guides

MN05006002Z_EN

Multimedia

SmartWire-DT Overview and how to use in easySoft 7

easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator

How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4?

Sales notes

eaton-electro-hydraulic-module-eu1h-flyer-fl120003en-en-us.pdf

calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating

Is the panel builder's responsibility.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

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