

# MPS APL 5/03 S F2 TN B B D D

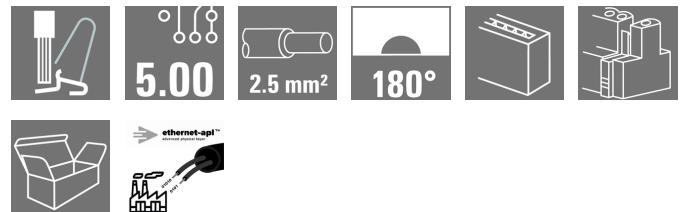
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

[www.weidmueller.com](http://www.weidmueller.com)



## Features and benefits:

- Ethernet-APL compliant
- Space and weight saving design
- Cost-effective alternative to RJ45 and M12 connections
- Available with PUSH IN, SNAP IN, clamping yoke or tension spring connection
- Suitable for THT and THR soldering processes
- 10 Mbit/s communication for long ranges (1000m) according to IEEE 802.3cg-2019
- PoDL remote power supply according to IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored for the process industry

## General ordering data

Version	PCB plug-in connector, female plug, Pitch in mm (P): 5.00 mm, Number of poles: 3, 180°, Box
Order No.	<a href="#">8000094097</a>
Type	MPS APL 5/03 S F2 TN B B D D
GTIN (EAN)	4064675859758
Qty.	114 pc(s).
Product data	IEC: 400 V / 26.8 A / 0.5 - 4 mm² UL: 300 V / 18.5 A / AWG 20 - AWG 12
Packaging	Box

Creation date May 23, 2024 4:55:49 AM CEST

Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	34 mm	Depth (inches)	1.339 inch
Height	17.5 mm	Height (inches)	0.689 inch
Width	15.8 mm	Width (inches)	0.622 inch
Net weight	7.019 g		

## System specifications

Number of poles	3	Outgoing elbow	180°
Pitch in inches (P)	0.197 "	Pitch in mm (P)	5 mm
Plugging cycles	25	Plugging force/pole, max.	8.5 N
Product family	OMNIMATE 4.0	Protection degree	IP20
Pulling force/pole, max.	8.5 N	Side termination, characteristic	closed side / middle flange, closed side
Type of connection	Field connection		

## Electrical properties

Volume resistance	≤5 mΩ
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## Material data

Insulating material	PBT GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	UL 94 flammability rating	V-0
Contact material	Cu-alloy	Contact surface	tinned
Storage temperature, min.	-25 °C	Storage temperature, max.	55 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C

## Packing

Packaging	Box	VPE length	351 mm
VPE width	136 mm	VPE height	42 mm

## Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC002638
ETIM 8.0	EC002638	ETIM 9.0	EC002638
ECLASS 9.0	27-44-03-09	ECLASS 9.1	27-44-03-09
ECLASS 10.0	27-44-03-09	ECLASS 11.0	27-46-02-02
ECLASS 12.0	27-46-02-02	ECLASS 13.0	27-46-02-02

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## Important note

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.
Notes	<ul style="list-style-type: none"> <li>Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>P on drawing = pitch</li> <li>Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.</li> <li>Wire end ferrule without plastic collar to DIN 46228/1</li> <li>In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load</li> <li>Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul>

## Approvals

Approvals



UL File Number Search	UL Website
Certificate No. (cURus)	E60693

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">CoC_cURus_E60693_MPS_MHS_202207.pdf</a> <a href="#">Declaration of the Manufacturer</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings

