Product data sheet
02 52 901 0451
har-modular M1flat-module female str.

HARTING
Pushing Performance
Since 1945

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Image is for illustration purposes only. Please refer to product description.

Part number	02 52 901 0451
Specification	har-modular M1flat-module female str.
HARTING eCatalogue	https://b2b.harting.com/02529010451

Identification

Category	Connectors
Series	har-modular®
Identification	M1 module flat
Element	Female connector
Description of the contact	Straight

Version

Width of the module	10.16 mm
Connection type	Motherboard to daughtercard Mezzanine
Number of contacts	1
Details	Please order contacts separately.

Technical characteristics

Clearance distance	4 mm in the module 2 mm to module edge
Creepage distance	4 mm in the module 2 mm to module edge
Insulation resistance	$>10^{11}\ \Omega$
Limiting temperature	-55 ... +125 °C
Insertion and withdrawal force	≤10 N
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	1.55 kV

Page 1 / 3 | Creation date 2023-01-05 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
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Technical characteristics

Isolation group	I (600 ≤ CTI)
Hot plugging	No
Moisture Sensitivity Level (MSL)	1 acc. to ECA/IPC/JEDEC J-STD-020D

Material properties

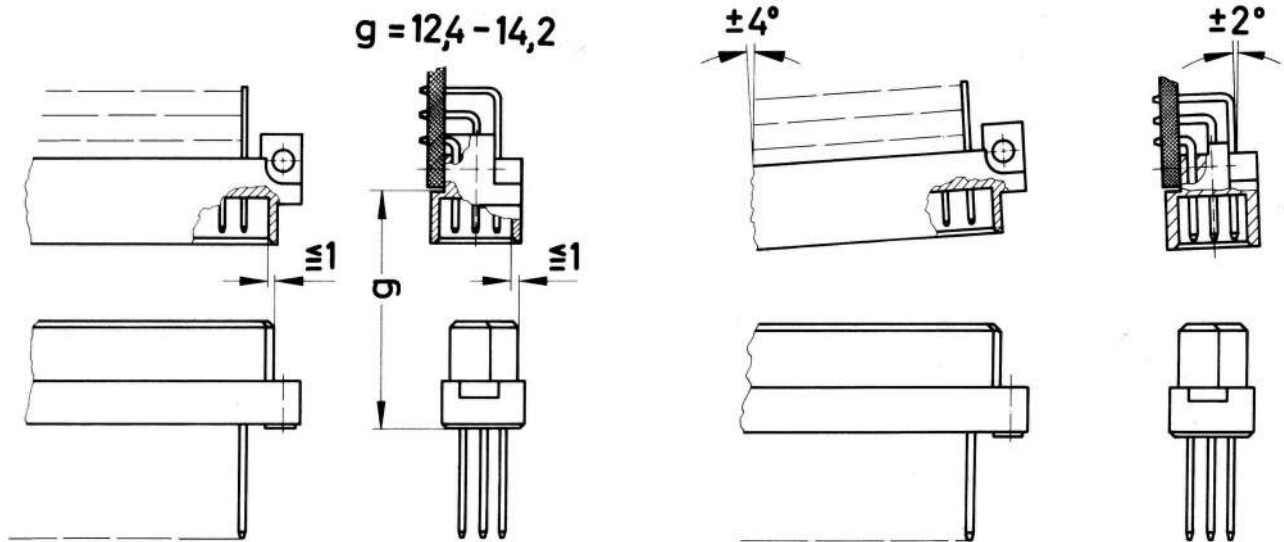|	
Material	Polyamide (PA)
Colour	Black
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R22 (HL 1-3) R23 (HL 1-3)

Specifications and approvals

UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
Railway classification	F1/I2 acc. to NFF 16-101/102

Commercial data

Packaging size	20
Net weight	1.14 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140197824
eCl@ss	27460201 PCB connector (board connector)

Page 2 / 3 | Creation date 2023-01-05 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
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Mating conditions

To ensure reliable connections and prevent unnecessary damage, please refer to the application data diagrams.
These recommendations are set out in IEC 60603-2.
The connectors should not be coupled and decoupled under electrical load.

Page 3 / 3 | Creation date 2023-01-05 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the
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