

# har-modular M1-flat module male str.



Part number	02 53 901 0451
Specification	har-modular M1-flat module male str.
HARTING eCatalogue	https://b2b.harting.com/02539010451

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

## Identification

Category	Connectors
Series	har-modular <sup>®</sup>
Identification	M1 module flat
Element	Male connector
Description of the contact	Straight
Version	
Width of the module	10.16 mm
Connection type	Mezzanine
Number of contacts	1
Details	Please order contacts separately.
Technical characteristics	
Technical characteristics Clearance distance	4 mm in the module 2 mm to module edge
Clearance distance	2 mm to module edge 4 mm in the module
Clearance distance Creepage distance	2 mm to module edge 4 mm in the module 2 mm to module edge
Clearance distance Creepage distance Insulation resistance	2 mm to module edge 4 mm in the module 2 mm to module edge > $10^{11} \Omega$
Clearance distance Creepage distance Insulation resistance Limiting temperature	2 mm to module edge 4 mm in the module 2 mm to module edge > $10^{11} \Omega$ -55 +125 °C
Clearance distance Creepage distance Insulation resistance Limiting temperature Insertion and withdrawal force	2 mm to module edge 4 mm in the module 2 mm to module edge >10 <sup>11</sup> Ω -55 +125 °C ≤10 N

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#### **Technical characteristics**

11-1		·
HOT	plugg	Ina

Moisture Sensitivity Level	(MSL)	
	(IVIOL)	

1 acc. to ECA/IPC/JEDEC J-STD-020D

No

## 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	0.9 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140197749
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

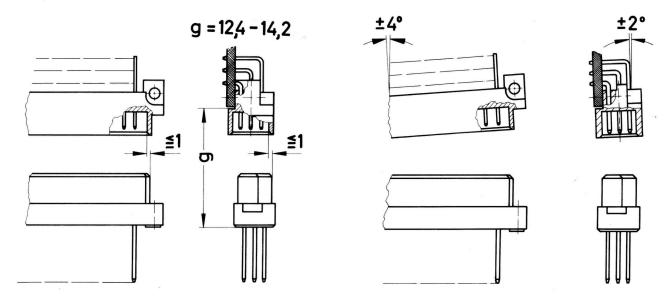
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#### Mating conditions



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.

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