

## har-modular M1-module male angled



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

Part number	02 51 901 0401
Specification	har-modular M1-module male angled
HARTING eCatalogue	<a href="https://harting.com/02519010401">https://harting.com/02519010401</a>

### Identification

Category	Connectors
Series	har-modular®
Identification	M1 module
Element	Male connector
Description of the contact	Angled

### Version

Width of the module	10.16 mm
Connection type	Motherboard to daughtercard
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 force	$\leq 10 \text{ N}$
Withdrawal force	$\leq 10 \text{ N}$
Mating cycles	$\geq 500$
Test voltage $U_{r.m.s.}$	1.55 kV



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## Technical characteristics

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

## Material properties

Material (insert)	Polyamide (PA)
Colour (insert)	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	R26

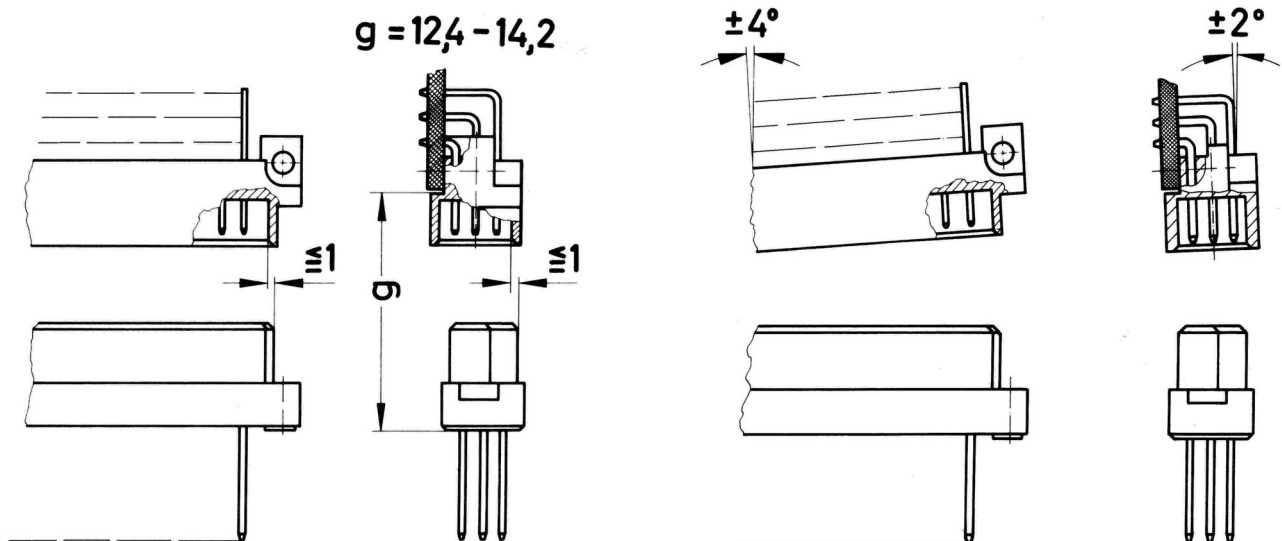
## Specifications and approvals

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	0.85 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140197688
eCl@ss	27460201 PCB connector (board connector)
ETIM	EC002637
UNSPSC 24.0	39121415

## 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.