

## DIN-Signal M24+8FS-13,0C1-2

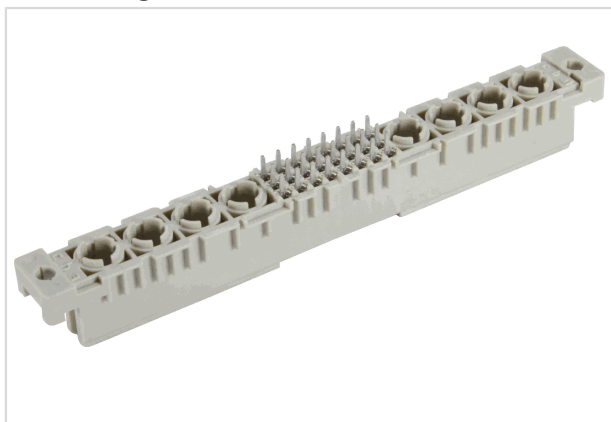


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Part number	09 03 224 6401
Specification	DIN-Signal M24+8FS-13,0C1-2
HARTING eCatalogue	<a href="https://b2b.harting.com/09032246401">https://b2b.harting.com/09032246401</a>

### Identification

Category	Connectors
Series	DIN 41612
Identification	Type M
Element	Female connector
Description of the contact	Straight
Features	lead-free Rated current of special contacts: see data sheet of the selected contacts

### Version

Termination method	Wave soldering termination
Connection type	Motherboard to daughtercard Mezzanine PCB to cable Cable to cable
Number of contacts	32
Number of signal contacts	24
Number of special contacts	8
Contact configuration	Rows a, b and c, positions 13, 14, ... , 19, 20
Termination length	13 mm
Coding	Coding with loss of contacts
PCB fixing	With fixing flange

### Technical characteristics

Contact rows	3
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## Technical characteristics

Contact spacing (termination side)	2.54 mm 7.62 mm
Contact spacing (mating side)	2.54 mm 7.62 mm
Rated current	2 A
Rated current	Rated current measured at 20 °C, see derating curve for details
Clearance distance	≥1.2 mm
Creepage distance	≥1 mm
Insulation resistance	>10 <sup>12</sup> Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 ... +125 °C
Insertion and withdrawal force	≤23 N
Performance level	2 acc. to IEC 60603-2
Mating cycles	≥400
Test voltage U <sub>r.m.s.</sub>	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)
Hot plugging	No

## Material properties

Material (insert)	Thermoplastic resin, glass-fibre filled
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni Mating side Sn over Ni Termination side
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	Yes
California Proposition 65 substances	Antimony trioxide Nickel

## Material properties

Requirement set with Hazard Levels R26

## Specifications and approvals

Specifications	IEC 60603-2
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
Railway classification	F4/I3 acc. to NFF 16-101/102

## Commercial data

Packaging size	20
Net weight	10.54 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140005976
eCl@ss	27460201 PCB connector (board connector)

## Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2

