Pushing Performance
Since 1945

DIN-Signal high curr.FS40A M-flat AU50



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

Part number	09 03 000 8225
Specification	DIN-Signal high curr.FS40A M-flat AU50
HARTING eCatalogue	https://harting.com/09030008225

Identification

Category	Contacts
Series	DIN 41612
Type of contact	PCB solder contact
Description of the contact	Straight
Contacts for	DIN 41612 Type M-flat

Version

Termination method	Solder termination
Gender	Female contact for female connectors
Connection type	Motherboard to daughtercard Mezzanine PCB to cable
Manufacturing process	Turned contacts

Technical characteristics

Rated current	≤40 A
Insertion force	≤10 N
Withdrawal force	≥1.6 N
Performance level	AU 50 1 acc. to IEC 60603-2
Mating cycles	≥500

Material properties

Material (contacts)	Copper alloy

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

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Material properties

Surface (contacts)	Au over Ni Mating side Noble metal Termination side
Layer thickness	≥1.27 µm
Layer thickness	≥50 µinch
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	0d7d3693-d625-47ab-934a-d241bf72c86e
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)
Requirement set with Hazard Levels	no requirements (flammable mass < 10g)

Specifications and approvals

Specifications	DIN 41626

Commercial data

Packaging size	100
Net weight	1.05 g
Country of origin	Hungary
European customs tariff number	85366990
GTIN	5713140215368
eCl@ss	27440204 Contact for industrial connectors
ETIM	EC000796
UNSPSC 24.0	39121522

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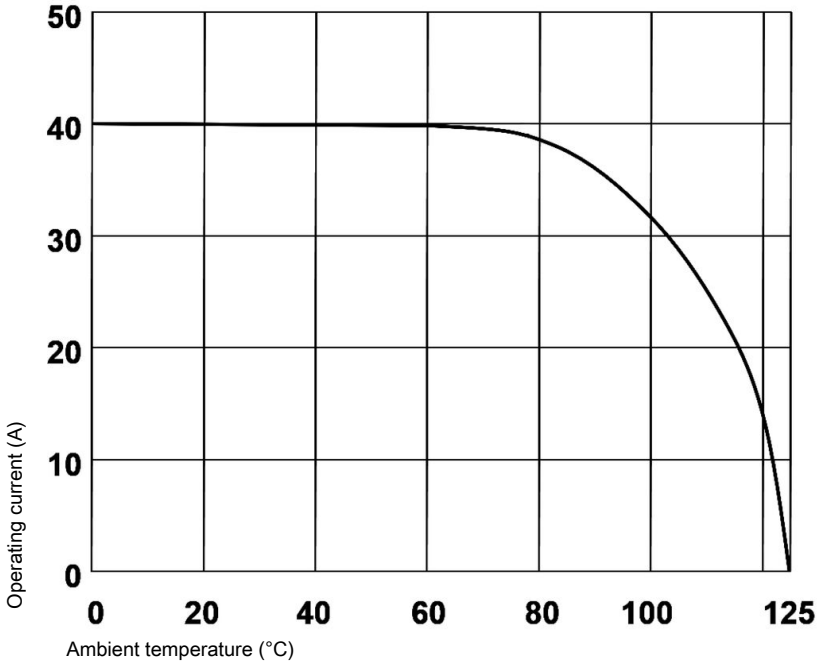
Current carrying capacity

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



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