Pushing Performance
Since 1945

DIN-Signal high curr. m, 30A solder AU50

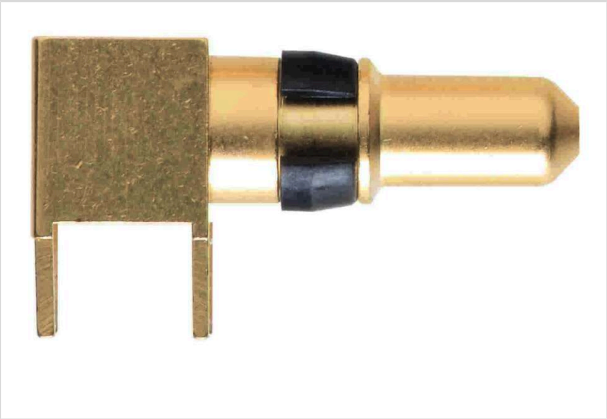

Image is for illustration purposes only. Please refer to product description.

Part number	09 03 000 8104
Specification	DIN-Signal high curr. m, 30A solder AU50
HARTING eCatalogue	https://harting.com/09030008104

Identification

Category	Contacts
Series	DIN 41612
Type of contact	PCB solder contact
Description of the contact	Angled
Contacts for	DIN 41612 Type M DIN 41612 Type MH 21+5 DIN 41612 Bauform M 0+2

Version

Termination method	Solder termination
Gender	Male contact for male connectors
Connection type	Motherboard to daughtercard Mezzanine Extender card PCB to cable
Manufacturing process	Turned contacts

Technical characteristics

Rated current	≤30 A
Insertion force	≤10 N
Withdrawal force	≥1.6 N
Performance level	AU 50 1 acc. to IEC 60603-2

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Technical characteristics

Mating cycles	≥500

Material properties

Material (contacts)	Copper alloy
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	ecef7555-f643-4ceb-a337-fc54762297f1
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel

Specifications and approvals

Specifications	DIN 41626

Commercial data

Packaging size	500
Net weight	3.454 g
Country of origin	Germany
European customs tariff number	85359000
GTIN	5713140004214
eCl@ss	27440204 Contact for industrial connectors
ETIM	EC000796
UNSPSC 24.0	39121522

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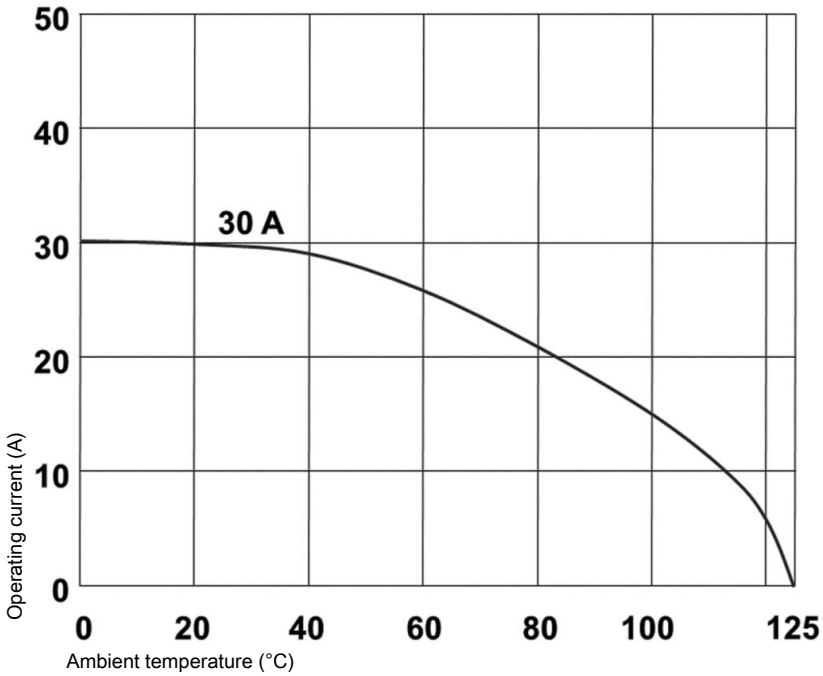
Current carrying capacity

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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