Features

- Snap-in assembly from mating side and from termination side
- Wiring with male contacts only
- Bus bar within bridge attachements
- Finger safe design
- Fast and tool-less assembly

Technical characteristics

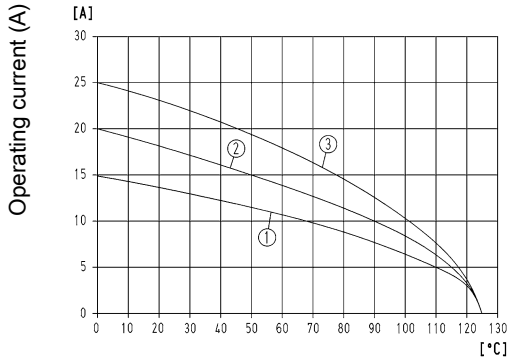
Number of contacts	5
Rated current	20 A
Rated voltage	500 V
Rated impulse voltage	6 kV
Pollution degree	3
Insulation resistance	>10^{10} Ω
Contact resistance	≤2 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey), RAL 5015 (sky blue), RAL 3000 (flame red)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

Derating

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



Ambient temperature (°C)

① Conductor cross-section 1.5 mm²
② Conductor cross-section 2.5 mm²
③ Conductor cross-section 4 mm²
for connector with 3 Han-*Yellock*® modules, fully loaded (multiplier 1:1)

Specifications and approvals

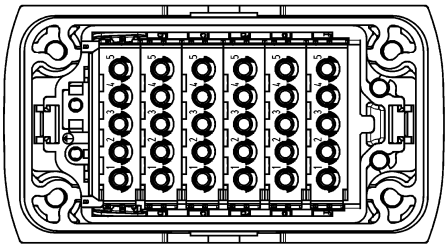
EN 60664-1
IEC 61984
DNV GL

Details

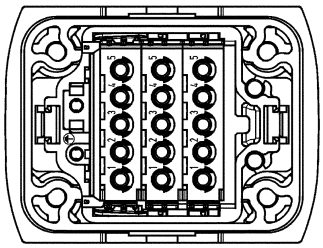
Crimping tools see chapter Han 90

Remarks on the crimp technique

The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.



Placement for Han-*Yellock*® 60 with 6 Han-*Yellock*® modules



Placement for Han-*Yellock*® 30 with 3 Han-*Yellock*® modules