

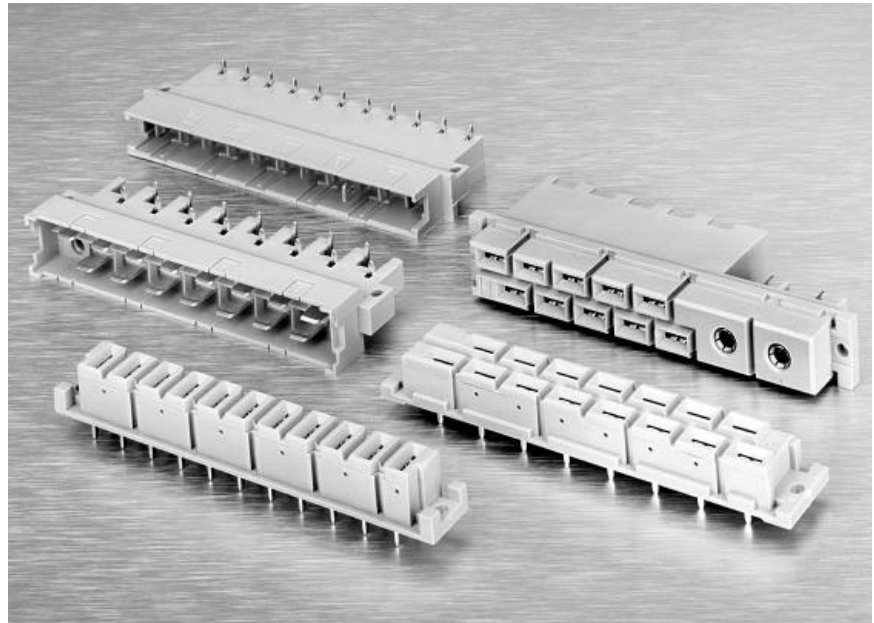
**DESCRIPTION/APPLICATION**

The Buchanan® Type H connector complies with the application requirements of DIN 41612 sections 1 and 4. A variety of styles and designs makes the Type H connector suitable for a wide range of power supply sub-assembly needs.

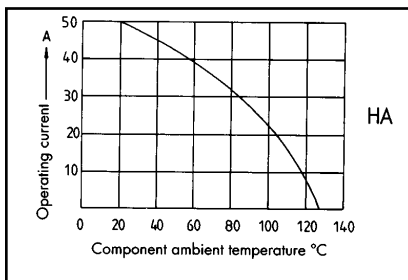
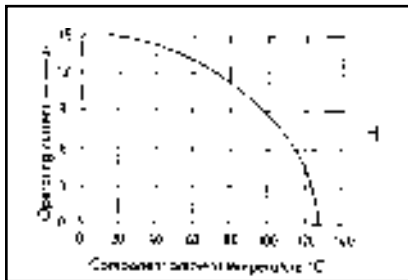
**DESIGN ADVANTAGES**

- Sturdy mechanical coding keys are integrated into the connectors. This allows field coding of the connector with little additional work.
- The H15 male slimline connectors with one and two rows of contacts provide space saving on the PCB of up to approx. 700mm<sup>2</sup>.
- Male connector versions with fully shrouded contacts provide a closed insulator on termination side of the PCB.

# TYPE H POWER DIN CONNECTORS



**DERATING CURVES**



**CONNECTOR INDEX**

H15 Double Row Male .....	120
H15 Slimline Male .....	121
H15 Double Row Female .....	122-123
H15/HA Male .....	124
H15/HA Female.....	125
H11 Single Row Male .....	126
H11 Single Row Female .....	127
H11 Single Row, Half Size Male .....	128
H11 Single Row, Half Size Female .....	129



## SERIES H11 SINGLE ROW, HALF SIZE FEMALE CONNECTOR

### PHYSICAL PROPERTIES

HOUSING MATERIAL: Polyester (PBTP)

COLOR: Beige

FLAMMABILITY RATING: UL94V-0

### ELECTRICAL PROPERTIES

MAX. CURRENT: 20 A

CONTACT SURFACE: Hard silver plated 6µm Ag or tinned

PERFORMANCE LEVEL: 1

CREEPING CURRENT PER DIN IEC 112: CTI

275/CTI 175 M

TEST VOLTAGE: 50 Hz, 1 min.

CONTACT TO CONTACT: 3100V

CONTACT TO GROUND: 3100V

### ENVIRONMENTAL PROPERTIES

OPERATING TEMPERATURE RANGE: -65° C to 125° C

AIR LEAKAGE DISTANCE: ≥4.5mm (contact/ground)

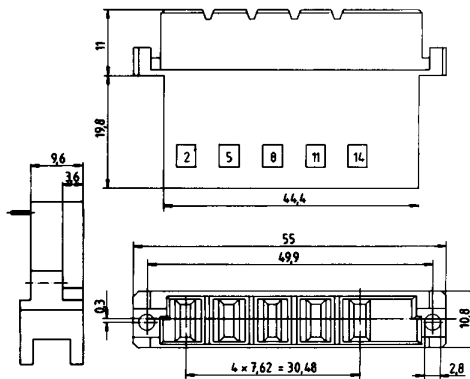
CREEPAGE DISTANCE: ≥8.0mm (contact/ground)

CONTACT RESISTANCE: ≤8.0m Ω

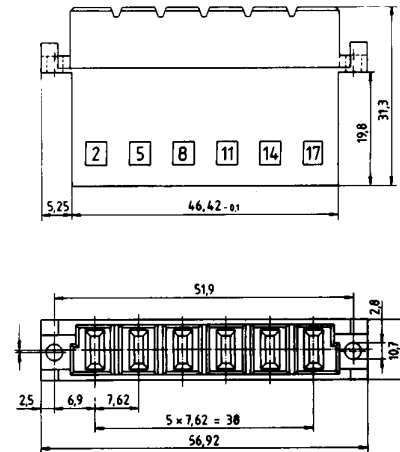
INSULATION RESISTANCE: ≥10<sup>12</sup> Ω at 100 VDC



5 Contacts, 1 Blank



6 Contacts



### Ordering Information

# OF CONTACTS (LOADING)	CONTACT PLATING	SOLDER PIN 90°
5 + 1 blank	Silver Tinned	H11HF 5FA H11HF 5FAT
6	Silver Tinned	H11HF 6FA H11HF 6FAT

\*1V and 2V refer to extended pins for early contact. The position(s) where the pins are loaded are given in parenthesis.