

## Excellent Integrated System Limited

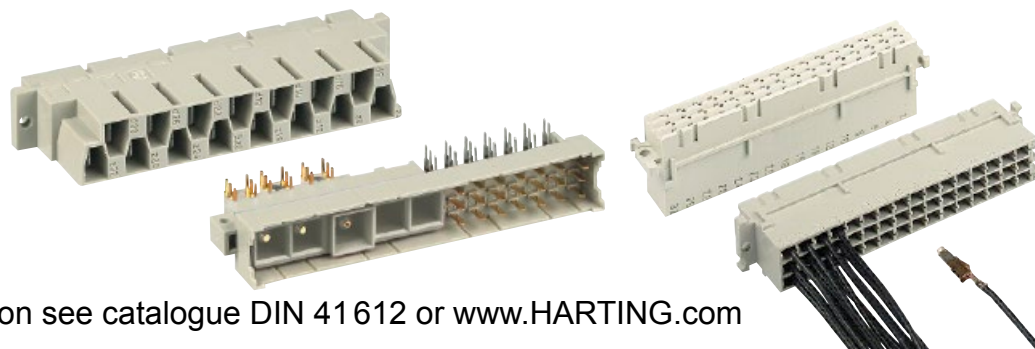
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## DIN Power overview



For detailed information see catalogue DIN 41612 or [www.HARTING.com](http://www.HARTING.com)

Type	Maximum number of contacts	Termination	Termination								
			Solder	Reflow Soldering (SMC)	Solder lug	Press-in	Crimp	Wire wrap	Faston	Cage clamp	
H	15	male	3.0 mm							X	
		female	2.7 mm 4.0 mm 5.5 mm 7.0 mm 10.0 mm			3.6 mm				X	X
H	16	male	3.0 mm								
		female								X	
H 3	3	male	3.0 mm								
		female	4.0 mm								
MH	24 + 7	male	3.0 mm							X	
		female	4.5 mm				X	22.0 mm			
MH	21 + 5	male	3.1 mm								
		female	3.2 mm								

DIN 41612

## Technical characteristics DIN Power

Number of contacts	3 – 48	Insertion and withdrawal force	
Contact spacing	5.08 mm; 2.54 mm	Type D, E	32-pol. ≤ 40 N 48-pol. ≤ 75 N
Working current (all contacts are loaded)		Type F, F9, FM, 2F	24-pol. ≤ 37 N 32-pol. ≤ 50 N 45-pol. ≤ 70 N 48-pol. ≤ 75 N
Type D, E, F, F9, FM, 2F	6 A max.	Type H	≤ 90 N
Type H, H 3	15 A max.	Type H 3	≤ 20 N
Test voltage $U_{r.m.s}$		Materials	
Type D, E, F, F9, FM, 2F	≥ 1.55 KV	Mouldings	thermoplastic resin, glass-fibre filled, UL 94-V0
Type H	≥ 3.1 KV		Poly Cyclohexylene Terephthalate (PCT), UL 94-V0
Type H 3	≥ 2.5 KV		NFF classification up to F1/I2
Contact resistance	≤ 15 mΩ Solder and Wire wrap connection ≤ 20 mΩ Crimp connection	Contacts	copper alloy
Insulation resistance	≥ 10 <sup>12</sup> Ω	Contact surface	
Temperature range	-40 °C ... +105 °C Press-in connector -55 °C ... +125 °C max. +240 °C for 15 s during reflow soldering (only SMC)	Contact zone	selectively plated according to performance level hard silver plated or gold plated