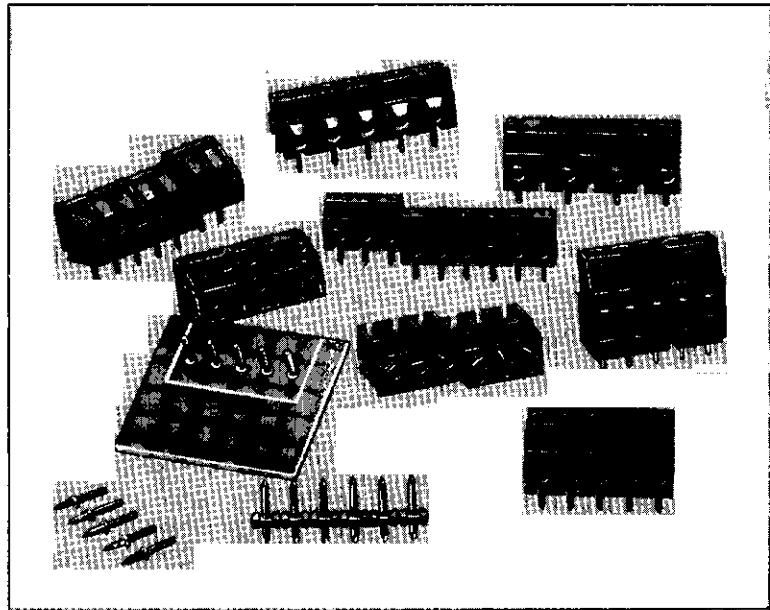


## FEATURES

- Pin spacings 5 – 5.08 (0.2") – 7.5 – 10mm
- Interlocking on all types
- Multiple ways can be built from individual 2 & 3 ways blocks
- Flame retardent – glass filled material
- High solderability
- Rising clamp feature on 45° and "700" type
- Up to 16A Rating
- Probe testing facility
- Plug-in with dual connection horizontal and vertical
- Pins available on pre-assembled strip
- Rounded pins for improved board entry
- "Professional Type" with flux protection
- "Low Profile" 7.5mm wide for close component stacking
- Conforms to VDE 0110
- Meets ICEL specifications  
BSI approval reports apply  
Nos. 076680 – 101219
- † U.L. approval No. E101811 (M) applies



## AVAILABLE TYPES

Terminal-Screw Angle and Pin Spacing	Basic Type No.	No. of Ways
Standard — 5mm spacing	20.100†	2 to 12
90° — 5mm spacing	20.105	2 to 12
Standard — 5.08mm (0.2") spacing	20.120†	2 to 12
90° — 5.08mm (0.2") spacing	20.125	2 to 12
Standard — 7.5mm spacing	20.110	2 to 12
90° — 7.5mm spacing	20.115	2 to 12
Standard — 10mm spacing	20.200†	1 to 12
90° — 10mm spacing	20.205	1 to 12
45° — 5mm spacing	20.300†	2 to 12
45° — 10mm spacing	20.400	1 to 12
<b>PROFESSIONAL</b>		
Standard — 5mm spacing	20.700†	2 to 12
Standard — 10mm spacing	20.800	1 to 12
<b>LOW-PROFILE</b>		
Standard — 5mm spacing	20.500†	2 to 12
90° — 5mm spacing	20.505	2 to 12
Standard — 10mm spacing	20.600	1 to 12
90° — 10mm spacing	20.605	1 to 12
<b>PLUG-IN</b>		
Standard and 90° 5mm spacing	20.130	2 to 12
Individual Pins	20.130P	—
Pin Strip	20.130/PS	24

## SPECIFICATIONS

### MATERIALS

Moulded Body Block and Pin Strip	P.B.T.P* – Crastin – Grey 30% Glass Filled or Polyamide 6 – Grey 30% Glass Filled Flame Retardent – U.L. Listed SK-613FR and BKV30
Wire Protector	Nickel Silver
Terminal Housing	Brass-Copper (1 micron) Nickel (2.3 microns) and Tinned (5 microns)
Round Pin (Integral with Housing)	Brass-Copper (1 micron) Nickel (2.3 microns) and Tinned (5 microns)
Rising Clamp and Pin (45°)	Steel – Nickel Plated (3-5 microns)
Screws	M3 x 6 (Standard/90°/PROFESSIONAL) M2.6 x 5 (45°/Plug-in) M2.6 x 4.5 (Low Profile) Steel zinc and colour passivate
Spring Contact and wire protector (20.130)	Beryllium Copper
Pin for Plug-in	Brass – Plated 2.5 microns Nickel 5 microns Tin
Pin for Pin Strip	Brass – Copper (4 microns) Plated and Tinned (5 microns)

\* Polybutylene Terephthalate

## CHARACTERISTICS

Current Rating	6A (20.130) 16A (All Others)
Rated Cross Section (Wire Gauge)	2.5mm <sup>2</sup> with wire protector } 20.100 to 20.205 4.0mm <sup>2</sup> without wire protector } 4.0mm <sup>2</sup> (20.700, 20.800) 1.5mm <sup>2</sup> (Low Profile Type) 2.5mm <sup>2</sup> without wire protector 2.5mm <sup>2</sup> (20.130/20.300/20.400)
Insulation Resistance	> 100MΩ at 500V DC
Dielectric Strength	> 3KV
Creepage/Clearance Between Screws	3mm minimum (20.100 – 20.500 series) (20.130)
Voltage A.C.	380(5mm) 500(7.5mm) 750(10mm)
Temperature Rating	-30°, +140°C Continuous – Crastin 30°, +130°C Continuous – Polyamide 6 200°C Intermittent

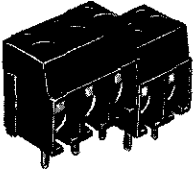
### DESIGN/APPLICATION DATA

Test Probe	∅ 2mm ∅1mm (Low Profile)
P.C. Board Hole Drilling (minimum)	1.3mm (Standard/90°/Low Profile) 1.3mm (PROFESSIONAL) 1.4mm (Plug-in/45°)
No. of Insertions Plug-in	30
Contact Resistance Plug-in	< 10mΩ (Initially)

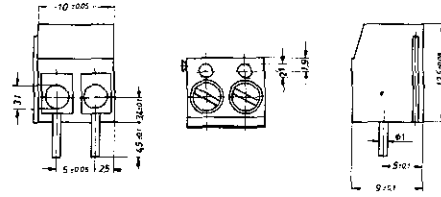
# 20 Series

## DIMENSIONS

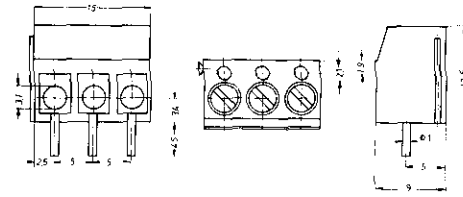
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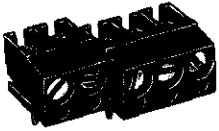
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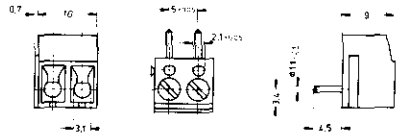
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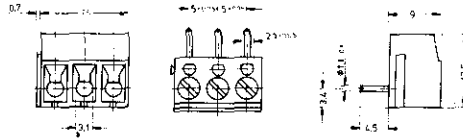
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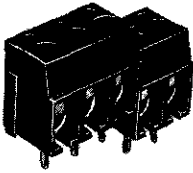
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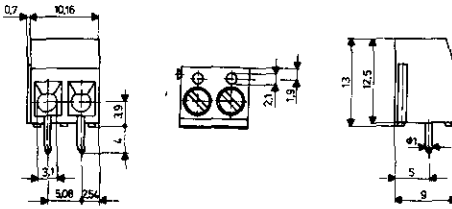
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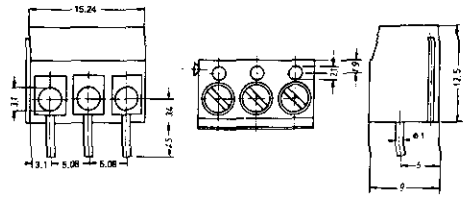
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20.120/2



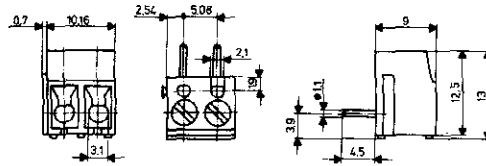
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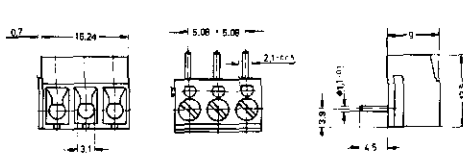
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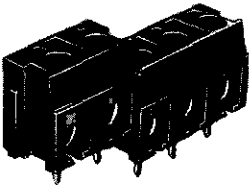
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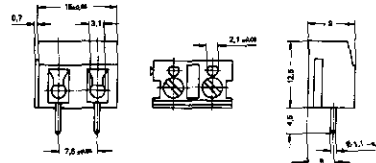
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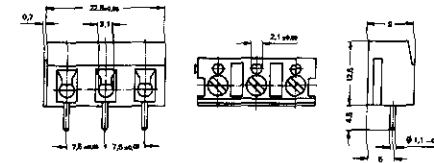
20.110



20.110/2



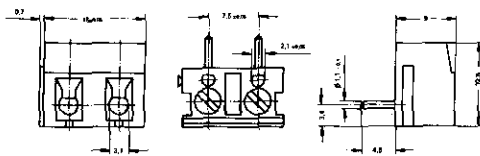
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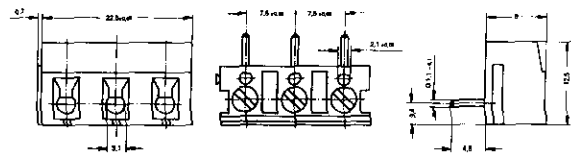
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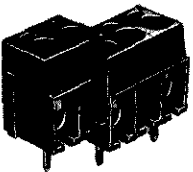
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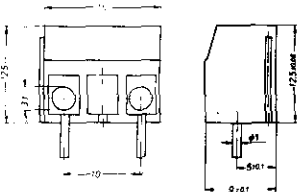
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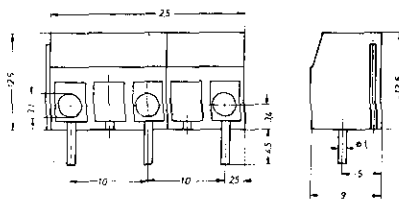
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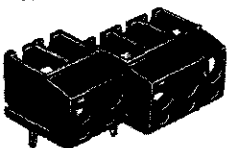
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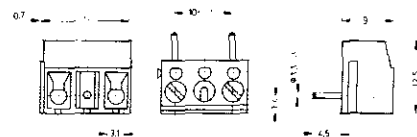
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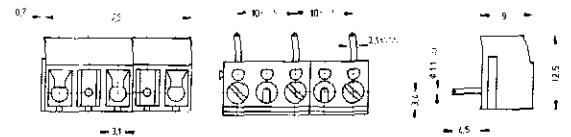
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20.205/2

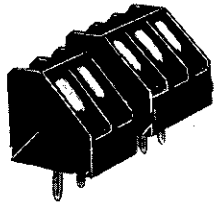


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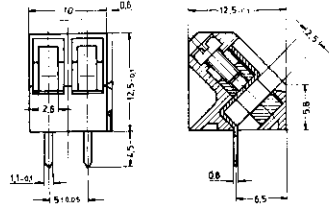


# 20 Series

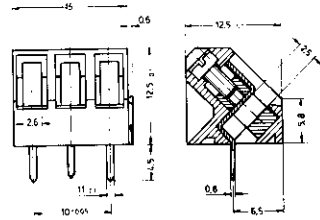
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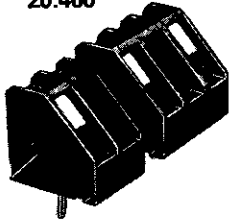
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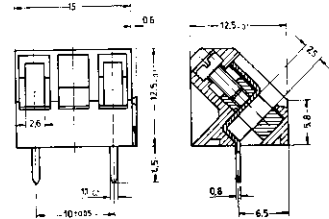
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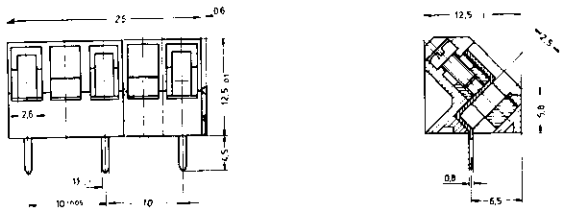
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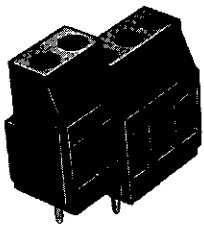
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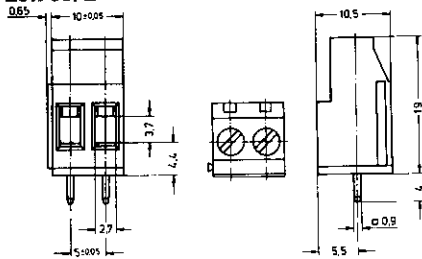
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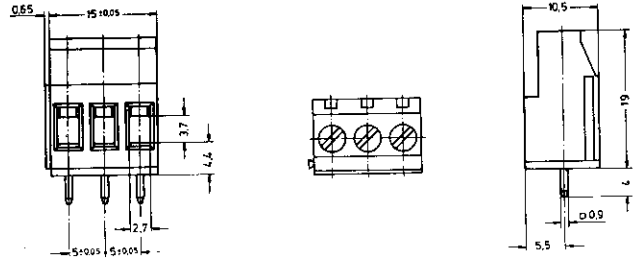
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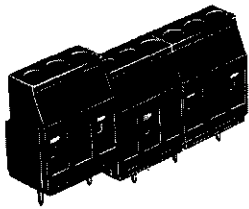
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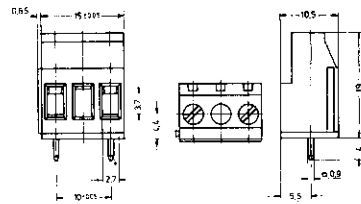
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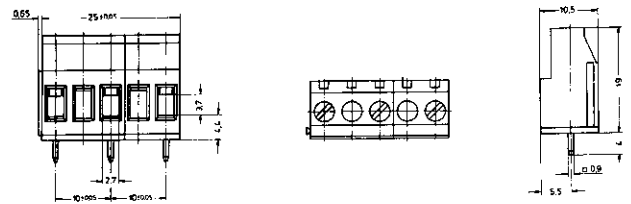
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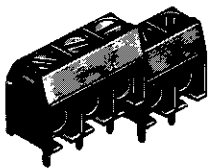
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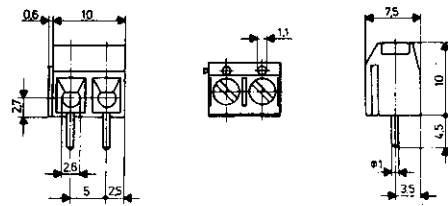
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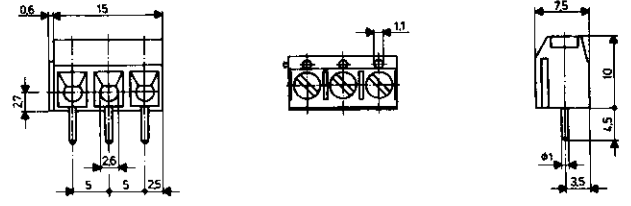
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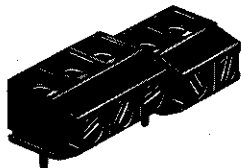
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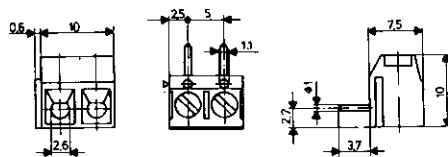
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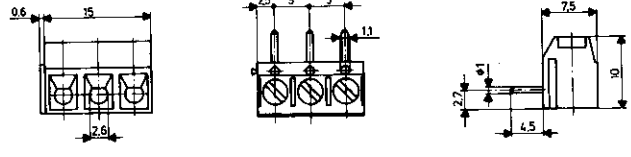
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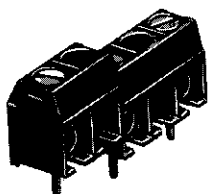
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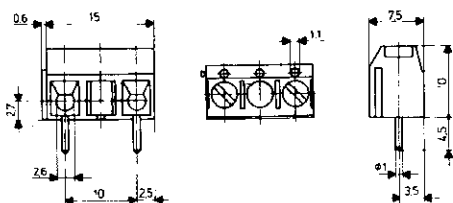
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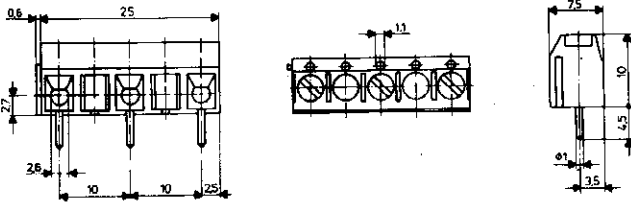
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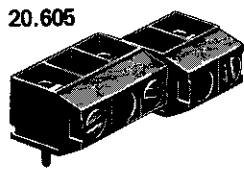
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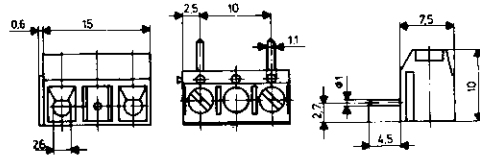
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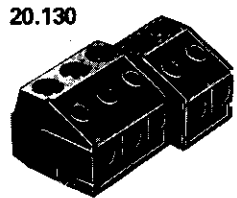
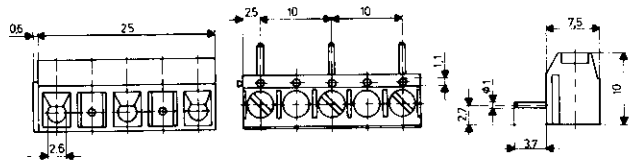
# 20 Series



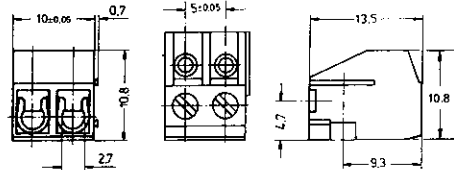
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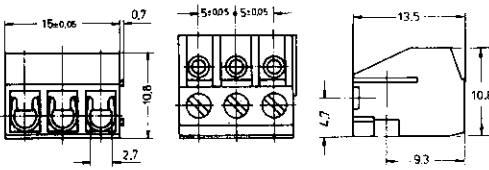
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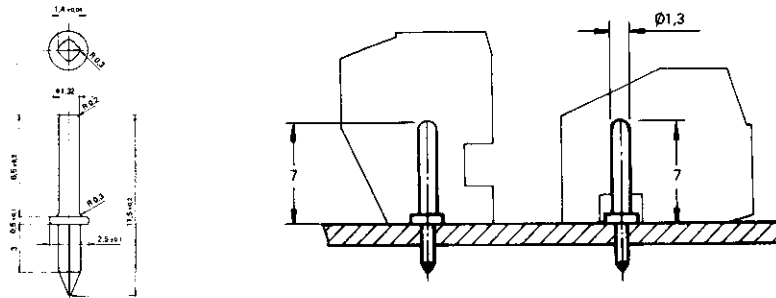
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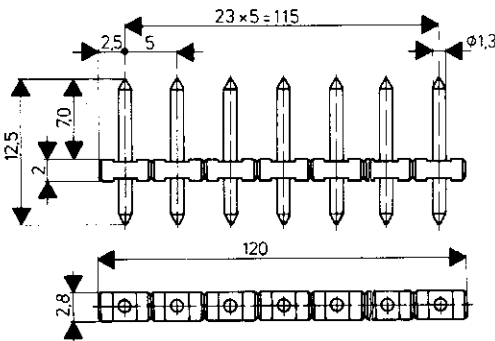
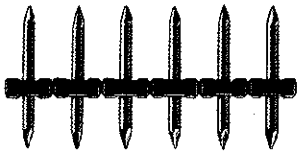
20.130/3



20.130/P



20.130/PS



## ORDERING DETAIL AND TOTAL BLOCK LENGTHS

Basic Type No.	No. of Ways	Overall Length of Blocks	Basic Type No.	No. of Ways	Overall Length of Blocks	Basic Type No.	No. of Ways	Overall Length of Blocks	Basic Type No.	No. of Ways	Overall Length of Blocks	
20.100	2	10	20.110	2	15	20.200	1/10	10	20.120	2	10.16	
	3	15			3		22.5			1/15	15	
20.105	4	20			4	30		2	15		4	20.32
	5	25			5	37.5		3	25		5	25.40
20.300	6	30	20.115	6	45	20.205	4	35	20.125	6	30.48	
	7	35			7		52.5			5	45	
20.700	8	40		8	60	20.400	6	55	5.08mm (0.2") Spacing	8	40.64	
	9	45	All	9	67.5			7		65		9
20.130	10	50	7.5mm Spacing	10	75	20.800	8	75		10	50.80	
20.500	11	55			11	82.5	20.600	9	85		11	55.88
20.505	12	60		12	90	20.605	10	95		12	60.96	
All 5mm Spacing						All 10mm Spacing	11	105				
							12	115				

### Basic Type + No. of Ways.

Example: 20.105/8 = 90° Screw Angle with 5mm Pin Spacing - 8 way.

### SPECIAL FEATURES (OEM Quantities only)

Colour Identification.  
 Hot Foil or Labelling for Terminal Identification.  
 "Professional" 10mm Pin Spacing (20.800)  
 Wire Protector Omitted on 20.100 - 20.105 - 20.110 - 20.120 - 20.125  
 20.115 - 20.200 - 20.205  
 20.500 - 20.505 - 20.600 - 20.605