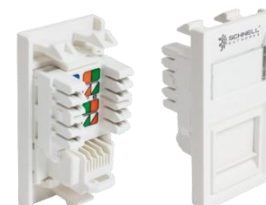
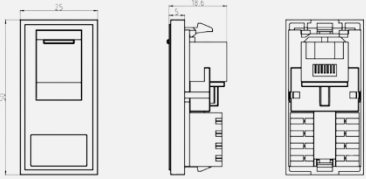


## SCHNELL CAT 6 EURO MODULE

The Schnell Cat 6 Euro module features a compact, slim design with an integrated shutter to guard against dust ingress. It is ideal for wall plate installations and fully supports Category 6 (Class E) networks. Engineered for reliability, it ensures consistent performance in high-speed data applications with support for frequencies up to 250 MHz, making it suitable for modern network setups.



### DIAGRAM & CONSTRUCTION

Connector Type	: RJ45 and Dual IDC		Housing Material	: PC or ABS, UL94V-0
Screen	: Unshielded		Jack Housing Material	: High Impact Flame Retardant Plastic Compound – UL94V-0
Depth	: 20mm		PCB Material	: FR-4, Thickness 1.6mm
Height	: 50mm		Contact Material	: Phosphor Bronze
Width	: 25mm		Color	: UK White or as per request
No of Ports	: 1			
Wire Gauge	: 22–26 AWG			

### ELECTRICAL CHARACTERISTICS

Current Rating	: 1.5 A max
Contact Resistance	: < 10 mΩ (excluding body resistance)
Input/Output Resistance	: 200 mΩ max
Input/Output Resistance	: 50 mΩ max
Imbalance	
Voltage Rating	: 125 V AC RMS
Dielectric Strength	: 1 KV RMS for 1 minute
Insulation Resistance	: ≥ 200 MΩ norm.
DC Resistance	: < 20 mΩ

### PHYSICAL CHARACTERISTICS

Mounting Style	: Snap-in (Euro faceplate compatible)
Insertion Durability	: ≥750 mating cycles
Tensile Strength	: ≥110 N (IDC wire retention)
Cable Termination	: Dual IDC (22–26 AWG)
Housing Strength	: High-impact resistant plastic
Storage Temperature Range	: -40°C to +60°C
Operating Temperature Range	: 0°C to 70°C

### KEY FEATURES

- Supports PoE/PoE+
- Max transfer impedance: 1.6 Ω @ 80 MHz
- Tensile strength ≥110 N
- Compact Euro module with shutter
- Dual IDC terminals (22–26 AWG)
- Snap-in design for faceplates

### KEY APPLICATIONS

- Gigabit Ethernet (1000Base-T)
- PoE/PoE+ device connections
- Structured LAN cabling
- Wall plate terminations
- IP CCTV, VoIP, Wi-Fi uplinks
- Data centers and server rooms

REACTION TO FIRE		STANDARDS
Housing Material Rating	: UL 94V-0 Flame Retardant	<ul style="list-style-type: none"> <li>• Supports IEEE 802.3af (PoE) and 802.3at (PoE+)</li> <li>• Flame retardant and LSZH (IEC 60332-1, 60754, 61034)</li> <li>• ANSI/TIA-568.2-D Category 6 compliant</li> <li>• ISO/IEC 11801 Class E &amp; IEC 61156-5 certified</li> </ul>
Jack Housing Material	: High-impact FR Plastic (UL 94V-0)	
Halogen Content	: Halogen-Free (if applicable)	
Operating Temp Range	: 0°C to +70°C	
Storage Temp Range	: -40°C to +60°C	

### TRANSMISSION PERFORMANCE

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEX dB	RL dB
1	1.9	87.6	82.6	28.0
4	3.5	79.2	74.2	30.0
10	5.6	73.3	68.3	29.0
20	8.4	69.1	63.8	29.0
31.25	10.0	66.0	61.1	28.6
100	18.9	58.0	53.0	25.1
150	24.0	55.2	50.7	23.8
200	26.1	53.0	48.0	22.8
250	30.0	52.6	47.6	22.0

### PART NUMBER

Part Number	Description
SCZ-5010C6EM	SCHNELL CAT 6 EURO MODULE