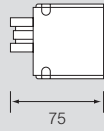


# Intersoc-R™ desk modules

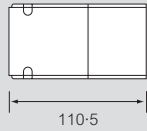
## technical information

### Under-desk dimensions (mm)

Compact and GST feed unit



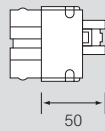
Feed unit



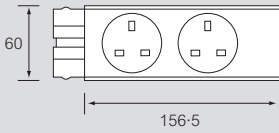
Blank end cap



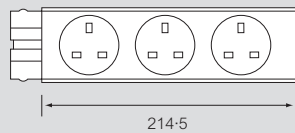
GST interconnect male



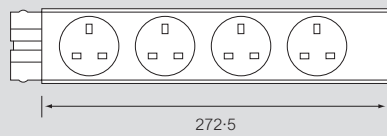
2 socket module<sup>1</sup>



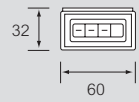
3 socket module<sup>1</sup>



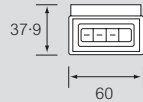
4 socket module<sup>1</sup>



Fixed – end view

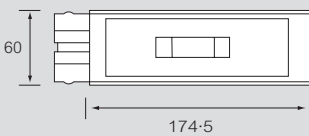


Rotatable – end view

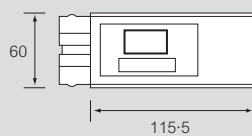


<sup>1</sup> : Dimensions only apply to BS sockets and not the international range

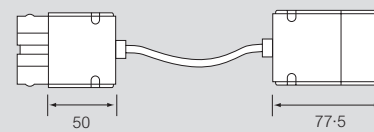
MCB, RCD protection module<sup>1</sup>



Protection module



Interconnection



<sup>1</sup> : 84.5 mm depth

## ■ Testing and accreditation



Intertek

Independently approved by Intertek  
Complies with BS 5733 and relevant parts of BS 1363-2  
Manufactured within an approved ISO 9001 : 2008 and  
ISO 14001 : 2004 facility  
Assessed quality assurance certificate No. 2029

### Electrical test data

Rated current	up to 32 A
Rated voltage	250 V ~
Frequency	50/60 Hz

### Conductor resistance at 20°C

	Fixed	Rotatable
2 socket module	0.8 mΩ	0.9 mΩ
4 socket module	1.6 mΩ	1.7 mΩ

### Volt drop Live and neutral

2 socket module	1.5 m V/A
4 socket module	3.0 m V/A
Protection module	4.0 m V/A
	(depending on device)
In-feeds :	
16 A	4.0 m V/A
+1.5 mm <sup>2</sup>	29 m V/A/m
32 A	2.0 m V/A
+4 mm <sup>2</sup>	11 m V/A/m
Interconnections :	
16 A/32 A	2.0 m V/A
+1.5 mm <sup>2</sup>	29 m V/A/m
+4 mm <sup>2</sup>	11 m V/A/m

### Earth fault loop impedance

2 socket module	1.5 mΩ
4 socket module	3.0 mΩ
Protection module	4.0 mΩ
	(depending on device)
In-feeds :	
16 A	2.0 mΩ
+1.5 mm <sup>2</sup>	29 mΩ/m
32 A	2.0 mΩ
+4 mm <sup>2</sup>	11 mΩ/m
Interconnections :	
16 A/32 A	4.0 m V/A
+1.5 mm <sup>2</sup>	29 mΩ/m
+4 mm <sup>2</sup>	11 mΩ/m

### Mechanical data

Number of conductors	3
Busbar conductor cross-sectional area	5 mm <sup>2</sup>
16 A rewirable in-feed terminal capacity	10 mm <sup>2</sup>
32 A rewirable in-feed terminal capacity	10 mm <sup>2</sup>

## ■ British Standards

BS 6396 : 2008 Electrical Systems in Office Furniture and Educational Furniture Specification

BS 7671 : 2008 incorporating amendment No. 1 : 2011. Requirements for Electrical Installation (IET Wiring Regulations 17th Edition)

### Electricity at Work Regulations 1989

### Health & Safety Legislation

Below is a brief outline of the main criteria within the standards :

BS 6396 : 2008 was published with regard to the use of electrical equipment within general office and educational furniture. This standard sets out in its scope the use and testing of electrical socket outlets and associated wiring when used together with a 13 A BS 1363 fused plug for mains supply and makes provision for the routing of cables through furniture

For compliance with this standard, socket outlet configurations of up to 4 outlets should be individually fused at 5 A and up to 6 outlets individually fused at 3.15 A

A note on individual socket fusing – BS 6396 Compliance :

The standard requires individual socket fusing (as per the table below)

Total number of sockets	Individually fused at
2, 3 or 4 sockets	5 A
5 or 6 sockets	3.15 A

Meets the requirements of BS 7671 : 2008 (2011) (17th Edition)  
The Health and Safety Executive states that installations which conform to the standards laid down in BS 7671 : 2008 (2011) are regarded by the HSE as likely to achieve conformity with the relevant parts of the Electricity at Work Regulations 1989

Special note should be taken of regulation 543.7 within BS 7671 : 2008 - Earthing requirements for the installation of equipment having high protective conductor currents

Regulation 543.7 has particular importance when there is a requirement for a quantity of information technology equipment being supplied from a final circuit in a location where the sum of their protective currents exceeds 10 mA in normal use. Due to current in the protective conductor arising from the use of IT equipment, there is a requirement to provide mechanically protected 4 mm<sup>2</sup> conductor (543.7.1.103 (ii)). Intersoc achieves this when wired in accordance with the installation sheets by providing mechanically protected 5 mm<sup>2</sup> protective conductors within the product

### Material specification

Module housing	Heat resistant ABS
Socket outlets	polycarbonate
Busbars	high conductivity copper CW004A (C101)
Other metalwork	phosphor bronze CW451K (PB102), CW452K (PB103)
	brass CW507L (CZ107), CW508L (CZ108)
	high conductivity copper CW004A (C101) <sup>1</sup>

1 : European grades with nearest British Standard shown in brackets

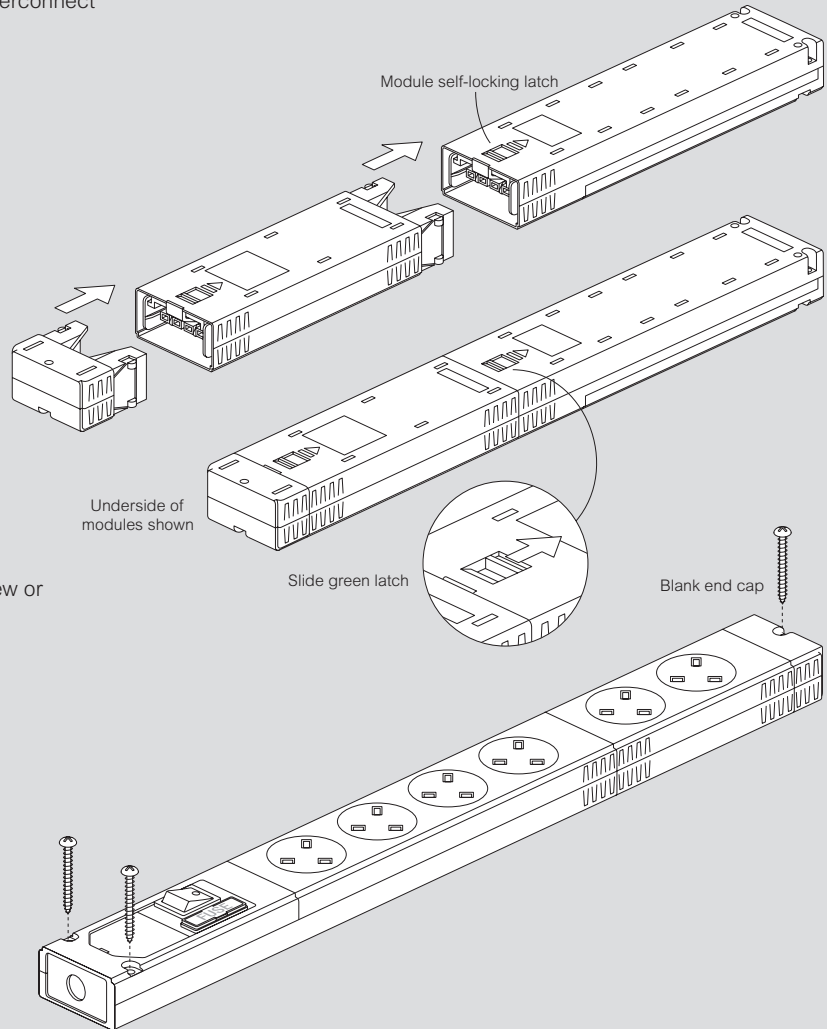
# Intersoc-R™ desk modules

## installation and configuration

### ■ Installation

#### To connect and disconnect Intersoc modules

1. Connection / disconnection to be made by a competent person
2. Before connecting modules ensure they are the correct way up and in line
3. Push modules together one at a time
4. Modules self-lock when fully pushed together
5. To disconnect modules slide green latch to unlock module and pull apart
6. Always end module run with blank end cap or interconnect



#### To fix modules to surface

1. Insert through all fixing holes no. 8 pozi-pan screw or M4 bolt to required length
2. Tighten screw / bolt down to mounting surface

**Product configuration**

1. Select the type of distribution system - standard, or low noise / clean earth
  2. Select the means of powering the system - cable or power track tap-off
  3. Select the type of in-feed module to match the cable capacity - 16 A or 32 A
  4. Select the means of protection
  5. Select the number of socket modules from the 2, 3 or 4 gang range (individually fused or unfused)
  6. Select fixed or rotatable sockets
  7. Select the interconnection units if required
  8. Finish system with the end cap
- (All modules push fit and lock together on-site or can be factory assembled to customer requirement)

