The DIAMOND Gigabit Ethernet G6 installation switch is one of the smallest Fiber To The Office (FTTO) solutions available on the market. Thanks to its compact design, the switch can be fitted easily into cable ducts and underfloor systems via snap-in attachment. The fibre-optic connection technology ensures that your workplace is well prepared for future broadband requirements. The complete Gigabit Ethernet service is supported on fibre-optic uplinks and local copper ports.

**ADVANTAGES**
- Small and compact design
- User-friendly management
- 45-mm snap-in assembly (no screw fastenings)
- Future-proof due to IPv6 capability
- Supports all current management standards
- Replaceable Micro SD memory card for configurations, scripts and firmware
- Firmware, script and/or configuration files can be loaded directly in the switch via FTP, SFTP and TFTP, and then saved and executed
- Passive cooling (no fan)

**FEATURES**
- 5x 10/100/1000Base-T RJ-45 (4x local ports, 1x downlink port)
- 1x 1000Base-SX E-2000®, SC, ST or 100/1000Base-X SFP uplink
- High-performance 800 MHz ARM CPU
- Extensive management:
  - Virtual Local Area Network (VLAN), Quality of Service (QoS), Rapid Spanning Tree Protocol (RSTP), Cisco Discovery Protocol (CDP), IP-Stack, Multicast Forwarding, Real Time Clock (RTC), Link Layer Discovery Protocol (LLDP), Port Access Control, Command Line Interface (CLI), RADIUS Client, etc.
- Webmanager (HTTP / HTTPS)
- Telnet / SSH / console, incl. standard commands (ping, traceroute, etc.)
- SNMP v1 / v2c / v3
- IPv4 / IPv6 dual stack
- Integrated scripting for the automatic execution of routine work via CLI script
- Reset and system buttons on the front
- LED’s can be used to ascertain the network status
- Non-blocking system

**FEATURES FOR POWER OVER ETHERNET (PoE+)**
- Power over Ethernet Plus in accordance with IEEE802.3at on all 5 ports (max. 30W / port)
- Total power at switch typically restricted to 85 W
- Port-based PoE+ configuration capabilities

Specifications subject to change without notice
**TECHNICAL SPECIFICATIONS**

Model: Gigabit Ethernet Installation Switch G6  
Connections: 5x 10/100/1000Base-T RJ-45 (4x local ports, 1x downlink port)  
1x 1000Base-SX E-2000®, SC, ST™ or 100/1000Base-X SFP uplink  
Cable type: Twisted-pair cable, category 5e  
100 Ohm impedance, max. length of 100 m  
Fiber type: Multimode – 50/125 µm (550m) or 62.5/125µm (280m)  
850-nm wavelength  
Transmission power: -4 to -9.5 dBm  
Sensitivity: -18 dBm  
Dimensions: 90 x 45 x 58 mm (L x W x H, without connections)  
Installation depth: 34 mm  
Assembly: in cable ducts, underfloor systems or surface-mounted housings  
Operating temperature: 0 to 40  
Storage temperature: -20 to 85  
Relative humidity: 10% to 90% non-condensing  
Power supply: 230 VAC via an integrated power supply  
54 VDC via an external power supply for PoE version  
Weight: 325 g  
Micro SD memory card: extended temperature range -25°C to +85°C

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>SHORT DESCRIPTION</th>
<th>DESCRIPTION</th>
<th>ORDER NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>GB Installation Switch G6, 5 ports, MM E-2000®</td>
<td>GB Installation Switch G6 E-2000® with 5x10/100/1000Base-T and 1x1000Base-SX E-2000® uplink 230 VAC integrated</td>
<td>EQQ 1069013</td>
</tr>
<tr>
<td>GB Installation Switch G6, 5 ports, SFP</td>
<td>GB Installation Switch G6 SFP with 5x10/100/1000Base-T and 1x1000Base-X SFP uplink 230 VAC integrated</td>
<td>EQQ 1069032</td>
</tr>
<tr>
<td>GB Installation Switch G6, 5 ports, MM E-2000® PoE+</td>
<td>GB Installation Switch G6 E-2000® PoE+ with 5x10/100/1000Base-T and 1x1000Base-SX E-2000® uplink 54 VDC, excl. external power supply</td>
<td>EQQ 1069014</td>
</tr>
<tr>
<td>GB Installation Switch G6, 5 ports, SFP PoE+</td>
<td>GB Installation Switch G6 SFP PoE+ with 5x10/100/1000Base-T and 1x1000Base-X SFP uplink 54 VDC, excl. external power supply</td>
<td>EQQ 1069033</td>
</tr>
<tr>
<td>Micro SD memory card</td>
<td>4 GB Micro SD memory card with extended temperature range (-25°C to +85°C)</td>
<td>EQY 1069051</td>
</tr>
<tr>
<td>External power supply for PoE version</td>
<td>External power supply for PoE version 54 VDC, typ. 85 W, 1.2 A</td>
<td>EQQ 1069052</td>
</tr>
<tr>
<td>Cable box with cover</td>
<td>Mounting box with cover for installation switch, for installation in cable ducts (preferably those produced by Ackermann)</td>
<td>EQY 1003105</td>
</tr>
<tr>
<td>AP Mosaic Box 6-per 5 incl. blind cover</td>
<td>Mounting box with cover for installation switch, for surface-mounted installation, including blind cover</td>
<td>EQY 1027990</td>
</tr>
</tbody>
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Other connector types and single-mode versions are available on request.