Access 7C5pin Illuminatum
Reliable pin pad reader with a lighted keypad

The Access Pin reader family of Idesco has a new member, the Access 7C5pin Illuminatum. The Access 7C5pin Illuminatum enables the use of the proven, maintenance-free keypad technology of the Access Pin also in environments without light source. The keypad area of the Access 7C5pin Illuminatum is visible only after activation by a contactless RFID transponder. The keypad is not lighted all the time, so the reader does not attract attention in the dark.

The Access 7C5pin Illuminatum readers are designed for reliable and secure access control in various environments where additional security features are required. These readers read the unique ID-numbers of Philips Mifare® and they are connected to the host via RS-485 interface.

The Access 7C5pin Illuminatum improves security in access control by providing pin code identification to be used together with an identification card. The keypad of the reader is based on EMFi foil technology. The EMFi foil senses pressure changes on the active key area when pressed. There are no moving parts in the pin pad, and due to this no maintenance is required. The foil as well as the electrical parts of the reader are cast in epoxy and are therefore safe from damage inside the reader. These readers can be used as a proximity reader only, or as a pin pad reader only or both combined. This can be configured in the system.

Reliability and robustness of design ensure that the readers function even in harsh environments and in all kinds of weather conditions. Readers can be installed directly onto a metal surface without any insulation. There are two colour options for the housing; black and grey. Lenses are available as black and white. The Access 7C5pin Illuminatum reader is also available with customer logo. Design of the reader is protected by international registration.

Specifications

Voltage	24 VDC (+10 …+30 VDC)
Current consumption	130 mA Max.
Interface	RS485, protocol specification can be acquired from Idesco
RFID chip support	MIFARE Standard UID (ISO 14443 Type A)
Material of design housing	Plastic
Installation method	Screws
Dimensions of housing (hxwxd)	138 x 44 x 24 mm
Operating temperature	-40…+55 °C
Storage temperature	-40…+55 °C
Protection class	IP47
Cable	LIYY 3 m
Led	Tricolor
Led control	By commands
Buzzer	Yes
Buzzer control	By commands, by wire
Carrier frequency	13.56 MHz
EMC	Meets CE requirements
Security	Optical tamper