

DATEC

KNX flush binary input, 8 channels

Connect eight dry-contact controls to KNX and drive eight status LEDs. Up to seven inputs can instead measure temperature with compatible DATEC sensors. Designed for local controls in rooms and apartments.



1630.03160/62100

Contact inputs, temperature and status

Eight dry-contact inputs

Interface conventional push-buttons and switches with KNX lighting and shading.

Eight status LED outputs

Each LED can follow its corresponding input or a separate KNX communication object.

Powered by the KNX bus

Approximately 10 mA maximum bus current. Mains is not needed for application download.

Input and LED connections

The module supplies 5 VDC sensing through a 2.2 kΩ resistor, maximum 2.2 mA per input. LED outputs use 5 VDC with internal 3.6 kΩ resistors. Connect low-current LEDs only.

Temperature channels share the eight input terminals.

Up to seven temperature inputs

Use compatible sensors in place of dry contacts on up to seven shared inputs.

Compatible NTC sensors

DATEC 1630.03121/56XXX: NTC 6K8, B25/100 = 4200 K. XXX is cable length in cm.

Compact flush-mounted housing

Only 17.1 mm deep. Optional DATEC support allows installation on a DIN rail.

Installation and configuration

Input / LED screw terminals: 1 mm², maximum tightening torque 0.15 Nm. Use twisted pair, maximum cable length 30 m. Select the matching DATEC KNX application. Sensor measurement range: -60 to +50 °C.

Technical specifications

KNX supply	Bus powered, max. ≈10 mA	Contact inputs	8 dry contacts
Temperature	Up to 7 shared inputs	LED outputs	8 low-current outputs
Housing	ABS V0, IP20	Mounting	Flush; optional DIN-rail support
Dimensions	50.3 × 46.7 × 17.1 mm	Weight / ambient	25 g / -5 to +45 °C

Accessories and product references

Mounting accessory

1633.02000/00
Optional DIN-rail support

Related actuator

1630.03160/61100
4 relay outputs, 8 inputs, 4 LED outputs