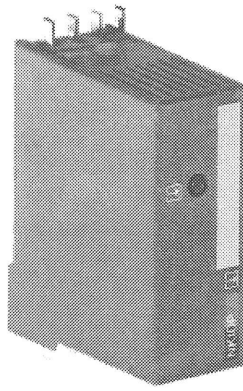
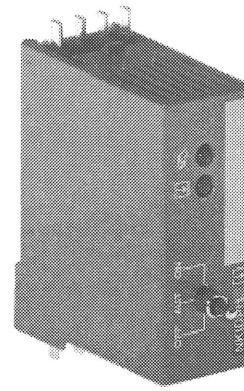


NKIDP, NKIDP/C1, NKIDPH**Input modules for digital signals from volt-free contacts**

NKIDPH: with manual switch.

NKIDP/C1: with signal buffering

Suitable module carriers:
NTIM, NTIO(S).**NKIDP
NKIDP/C1****NKIDPH****Technical data**

DC supply voltage	Extra low voltage (SELV-E) from terminal module carrier
Nominal voltage	DC 15 V, ± 10 %
Current consumption	
– NKIDP	5 mA
– NKIDPH	10 mA
AC supply voltage	Extra low voltage (SELV-E) from module carrier
Nominal voltage AC	AC 24 V
Power consumption	Max. 0.75 VA
Signal input ¹⁾	
Type	Volt-free contact (N/O or N/C)
Max. load on external contacts	
– N/C contact	AC 24 V, 30 mA resistive
– N/O contact	AC 24 V, 15 mA resistive
Signal output	
Type	Open collector driver
Max. load	DC 36 V, 5 mA
Active signal level	≤ 0.8 V @ 5 mA ≤ 0.4 V @ 2 mA
Connections	
Plug-in connections	Plugs directly into terminal module carrier
Product data	
Input signal sampling rate	0.2 ... 5 s (depending on processing time in RS card module)
Weight excluding packaging	0.05 kg
Dimensions (W x H x D)	
NKIDP	24 x 68 x 50 mm
NKIDPH	24 x 68 x 58 mm
Mounting	Plugged into terminal module carrier
Safety	
Product safety	EN 61010-1
– Contamination level	2
Electrical safety	SELV-E (PELV to IEC 364-4-41)
General ambient conditions	
Usage	Installed in control panel
Temperature range	
– Operation	5 ... 45 °C
– Storage	–25 ... 70 °C
Ambient humidity	10 ... 90 %rh, non-condensing
Conformity	This product meets the requirements for CE marking

¹⁾ NKIDP/C1:

Input contact (N/O). Signal buffering approx. 6 s.

Brief description

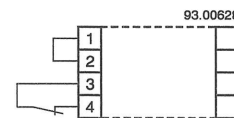
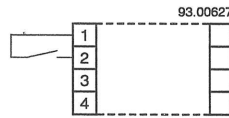
When the N/O contact is closed or the N/C contact open, the input signal is converted in the NKIDP.. into an *active* output signal (low) for the RS card module. When the contacts are in their normal position the output signal becomes *passive* (high).

The manual switch on the NKIDPH is used to override the existing signal for service purposes.

Terminal layout on module carrier

Normally-open contact (N/O)

Normally-closed contact (N/C)



Important:

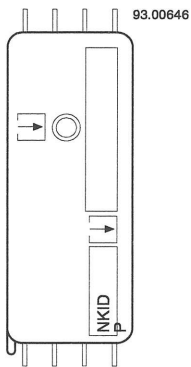
When the N/C contact is used, terminals 1 and 2 must be short-circuited with a wire link.

See page 3 for connection options.

Indicators / Labelling

NKIDP

NKIDPIC1



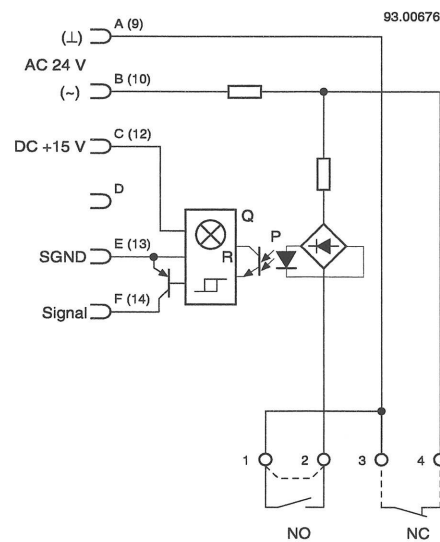
Input status (green):

LED Off Passive signal input
LED On Active signal input

Block diagram

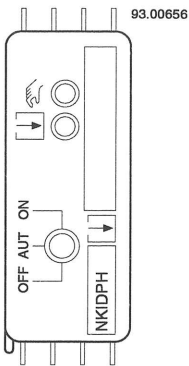
NKIDP

NKIDPIC1



- 1 ... 4 Connection terminals for peripheral devices
- A ... F Connection to terminal module carrier (9 ... 14: NTIO)
- P Converter (electrically isolated)
- Q Control
- R Input status LED
- NC Normally-closed contact
- NO Normally-open contact

NKIDPH

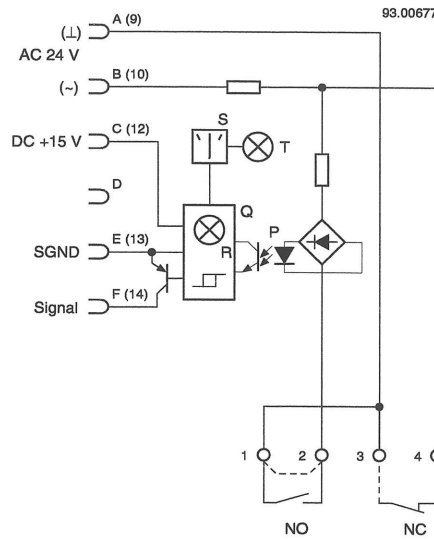


- ⏻ (Input status (green):
 - LED Off Passive signal input
 - LED On Active signal input
- 👉 Manual override (red):
 - LED On Manual override ON

Manual switch positions:

- OFF Continuous high
- ON Continuous low
- AUT Controlled by input signal

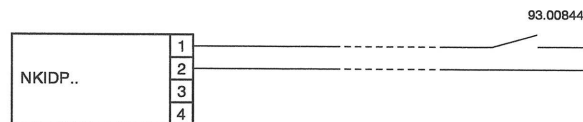
NKIDPH



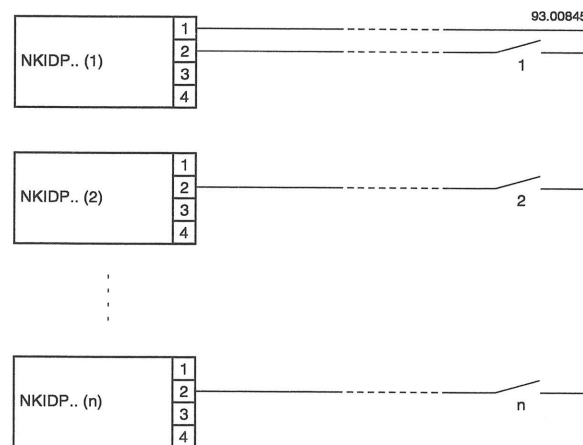
- 1 ... 4 Connection terminals for peripheral devices
- A ... F Connection to terminal module carrier (9 ... 14: NTIO)
- P Converter (electrically isolated)
- Q Control
- R Input status LED
- T Manual switch
- S Manual status LED
- NC Normally-closed contact
- NO Normally-open contact

Connection options

Option 1: Two-wire connection for each data point.



Option 2: Various data points supplied from a common source



Important:

Option 2 is only suitable for use within one and the same RS card module.

