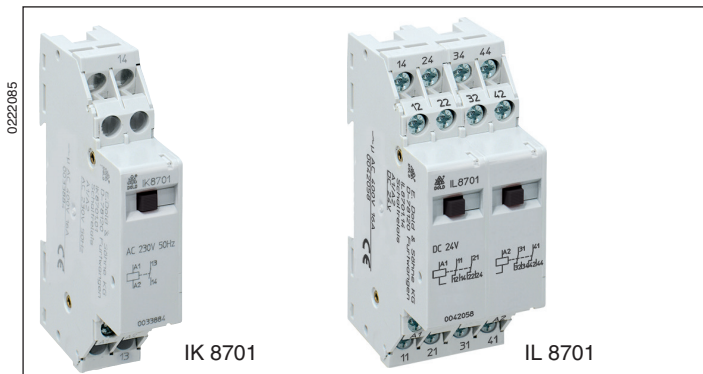


Switching Relay Input-Output Interface Relay IK 8701, IL 8701, IN 8701



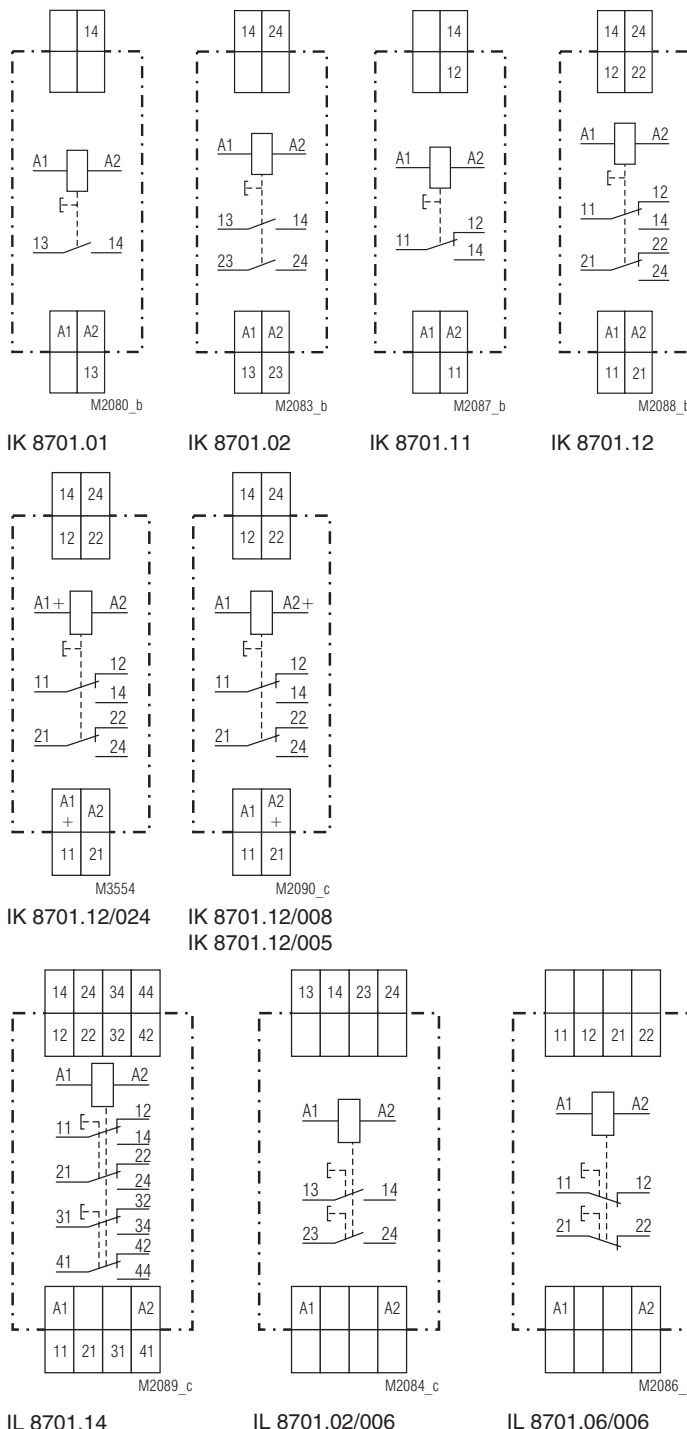
Your Advantages

- Optionally contacts with up to a maximum 4 changeover contacts
- Optionally without manual actuation and an operating position display
- Optionally for 2-wire initiator activation
- Optionally for switching low loads
- Optionally for switching lamps with parallel compensation (e.g. HQ lamps)
- Optionally for switching large inductive direct current loads
- Optionally with a recovery diode (only DC devices)
- Optionally with reliable release voltage of AC 120 V

Features

- According to EN 60947-5-1
- Pushbutton for manual actuation of the contact
- Operating position display
- High thermal current I_{th}
- Width: 17.5 or 35 or 52.5 mm

Schaltbilder



Approvals and Markings



Applications

- For switching lamp loads
- Input interface relay, e.g. for activation of PLC
- Output interface relay, e.g. for PLC-controlled loads

Function

The contacts are actuated with an armature via a plunger. After the exciting voltage has dropped, a spring returns the armature (which is connected to the plunger) to its home position. The contacts can be actuated manually via a pushbutton on the front as well. The pushbutton acts at the same time as an operating position display. The contacts are closed when the pushbutton is pressed. The red pushbutton is flush with the front edge when there is no current.

Note: IL devices have 2, IN devices have 3 pushbuttons on the front. These are **not** linked together. The pushbuttons only activate the contact shown on the front under the button.

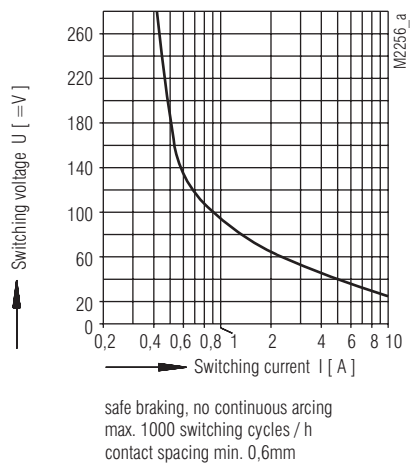
Indicators

Pushbutton: pressed, when the relay is supplied with current

Connection Terminals

Terminal Designation	Signal description
A1 / A2	Control signal AC Control signal DC (polarity select.)
A1+ / A2; A1 / A2+	Control signal DC polarized
11,12,14; 21,22,24; 31,32,34; 41,42,44	Changeover contact LOAD
13,14; 23,24; 33,34; 43,44	NO contacts LOAD
11,12; 21,22; 31,32; 41,42	NC contacts LOAD

Characteristics



Arc limit curve for direct current voltage-resistive load



Safety Notes



Dangerous voltage.
Electric shock will result in death or serious injury.



Disconnect all power supplies before servicing equipment.

- Faults must only be removed when the relay is disconnected
- The device may only be installed and put into operation by experts who are familiar with this technical documentation and the applicable health and safety and accident prevention regulations.
- The user has to make sure that the device and corresponding components are installed and wired according to the local rules and law (TUEV, VDE, Health and safety).
- Installation work must only be done when power is disconnected

