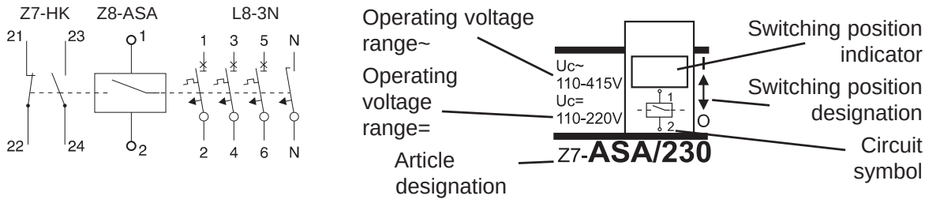
3. Circuit Diagram and information printed onto the devices:



4. Installation:

4.1. Move the ASA and L8 to the OFF-position.
Make sure that the adhesion surfaces of the L8 laterally opposite to the Z8-ASA are free from grease and clean. Do not use any additional adhesives.

4.2. After removing the protective foils from the two-sided adhesive tape on the ASA, move it towards the L8 from the left and press it firmly onto the L8 positioned by the guide sleeve.

4.3. If an auxiliary switch is installed, remove its operating pin for F7 devices (i.e. prepare it for L8 function), move it towards the ASA from the left and mount it onto the ASA by means of the pre-installed screws of the auxiliary switch.

4.4. Switch on the device combination ASA/L8 by means of the switchon toggle of the L8.

5. Import Notes:

The shunt trip release Z8-ASA is terminal compatible and thus busbar compatible with all Power Line devices. Both busbar blocks and the patented plugin busbars ZV7 can be used. The colour of the switching toggle of the 24 and 230 V versions is grey, RAL 7035. A name plate can be mounted onto this Power Line device.

6. Warnings:

Installation, connection, and starting-up of this protective device is strictly reserved to authorized electrical specialists. In any case, turn off power before working at the device. If despite taking into account the instructions for installation, flawless functioning of the device is not achieved, it may be defective and should be forwarded to the supplier. Do not attempt to make any repairs on your own. This would invalidate our warrenty.
The shunt trip release Z8-ASA has been developed for remote tripping of Power Line devices and is highly reliable when taking into account the instructions for installation and the permissible voltage range. It is technically possible to use the shunt trip release for an emergency off function. However, it is recommended to use passive releases, e.g. undervoltage releases, for this purpose.
Operating the Z8-ASA at voltages above or below the operating voltage range specified in item 2 may damage the device and therefore must be avoided in any case. Sufficient output of the extra-low voltage source (transformer) must be ensured particularly for the 24 V type. Maximum current consumption and duration see item 2 (Technical Data).

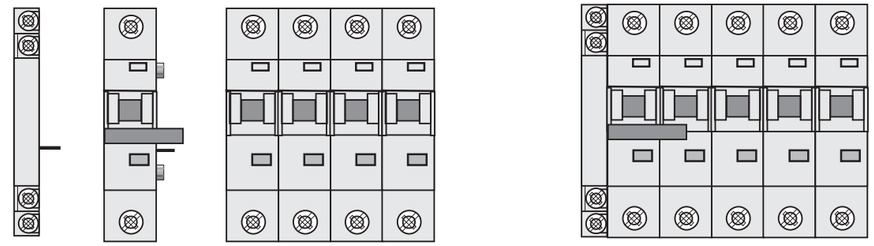
sprecher+schuh

INSTRUCTIONS FOR INSTALLATION
Shunt Trip Release Z8-ASA

CE GB

1. Function and Description:

The shunt trip release type Z8-ASA is a remote release based on the working current principle. The device for modular installation has been designed for installation on DIN support bars according to EN 50022. It is 1 MU (=17.5 mm) wide, has an optical switching position indicator (red/green) and can be mounted subsequently on the left hand side onto any Power Line combined RCD/MCB device, miniature circuit breaker or circuit breaker of up to 4 module units. F7 and A7-63/4 devices cannot be actuated with the ASA. Remote tripping is possible within a wide voltage range. An auxiliary switch Z7-HK which can be connected additionally permits transmission of a message that switchoff has occurred.



The sequence of installation as shown in the diagram must be observed, i.e. the shunt trip release must always be installed to the left of the L8 (FL7, A7) and upstream of the auxiliary switch Z7-HK.
When applying a voltage within the permitted range, the shunt trip release responds virtually without delay and causes internal tripping of the L8 (FL7, A7) mounted next to it. At the same time, it cuts the power supply to its own trip coil and thus prevents thermal overload of the triipping device in case of continuous tripping commands. Consequently, excessive length of the tripping pulse does not cause damage to the device. However, a minimum pulse length is required for reliable functioning. The switching toggles of the ASA and L8 (FL7, A7) are coupled mechanically in such a way that when the L8 (FL7, A7) is activated the toggle of the ASA is moved simultaneously. In case the L8 (FL7,.A7) is switched off manually, the ASA trips mechanically even if no control voltage is present. In case of electric tripping of the L8 (FL7), the ASA is also activated internally by mechanical means and goes to the OFF-position. If an external obstacle prevents the ASA switching toggle from moving to the OFF-position, the device may still trip internally like any L8 independently of the toggle position.

2. Technical Data:

AC range	~	24V	230V
Responding limit	(V)	8	65
Operating voltage range	(V)	12 - 110	110 - 415
Max. current consumption at the moment of switching on	(A)	32	1,41 (at 230V)
Duration of current flow at max. current consumption	(ms)	10	-
DC range	**=**	**24V**	**230V**
Responding limit	(V)	9	88
Operating voltage range	(V)	12 - 60	230
Max. current consumption at the moment of switching on	(A)	21	-
Duration of current flow at max. current consumption	(ms)	2	-
Minimum pulse duration	(ms)	15	10
Internal resistance	(Ohm)	2,19	215
Duty	(%)	100	
Tripping time	(ms)	< 20	
Peak withstand voltage (1,2/50ms)	(kV)	2	
Service live operating cycles		> 4000	
Upper/lower terminals		open mouthet, lift/	
Conductor cross section	mm^2	1 - 25	
Busbar thickness	mm	0,8 - 1,5	