



Customer project

Installation contactors

Area Customized solutions

Customized solutions

Innovative

Customized

Sustainable



ComatReleco products in use

- RIC25 - Installation Contactors
- RIC20-xxx-R4A110V - Installation Contactors

Things that take time cost money. Even minor modifications can improve the handling or technical properties of a product significantly. We pay particular attention to customer wishes when looking to find solutions. An innovative partner, technical optimisation is not our only goal. We spare no effort in our quest to improve product handling and hence to reduce the cost of assembly and other factors.

The installation contactor was changeover

contacts

Traditional industrial relays are not suitable to switch the direction of rotation in direct current motors (utilisation category DC-5). But it is still necessary to install an electromechanical switching device in these applications. The compact design, quick assembly and not least the assembly costs are all good reasons. Nevertheless, the unavoidable compromises in terms of service life present a significant disadvantage. It was this aspect that prompted the unusual idea of fitting an installation contactor in the RIC-25 series with two changeover contacts instead of four make or break contacts. The large contact surface and the two interrupter contacts are ideal for switching DC motors in a suitable performance range. These properties guarantee the required service life and therefore the system availability as well. The flexibility of our engineering allowed us to deliver a preliminary prototype for initial field testing inside of three weeks. The product is now available off-the-shelf under the reference RIC25-002/UC24V.

Saving time during assembly

Equipment power loss produces heat that has implications for adjacent devices or the switching capacity of the actual components in the switch cabinet. For this

reason, it is necessary to ensure that air distribution close to the device is ideal. There are different meth-

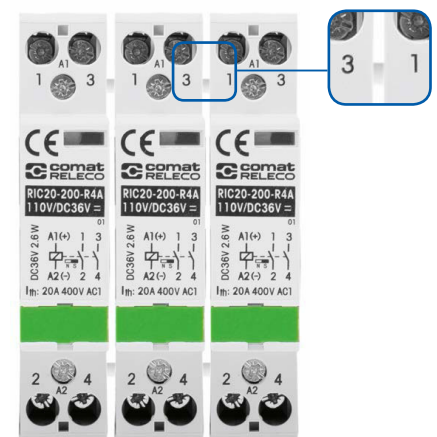


RIC25-002/UC24V, the contactor with changeover contacts

ods of exerting a positive influence on air circulation. In many cases, this will involve installing small device groups and fitting spacers. But using spacers costs money, as they add to the assembly work load and require management of an additional component. Creating groups takes up space that is often in short supply. Comat takes an entirely different approach, integrating spacers directly in the housing of the relevant devices. This means that the devices can be placed next to each other without any restriction, and ideal ventilation is automatically guaranteed, even at maximum switching capacity. This reduces the assembly costs without any further ado.

The integrated spacers are used for the first time in the installation contactor RIC20-xxx- R4A110V. Providing an immense DC switching capacity of up to 4A at 110V (utilisation category DC-5) and measuring just 17.5 mm in width, these extraordinarily compact switch devices can be used for a broad variety of applications, for instance in the railway sector. Besides shock and vibration, the requirements placed in the fire protection capability of applications used in rolling stock are very high as well. Our installation contactors satisfy the criteria of the EN 50155 and EN45545 standards and are characterised by particular reliability, entirely in keeping with the acronym RAMS for Reliability, Availability, Maintainability and Safety.

Communication is important. We seek to establish close ties with our customers, transforming ideas into finished products. We see ourselves as service providers, and do everything in our power to use innovation to the benefit of our customers. Ensuring your competitiveness is good for us as well. Developing solutions in the spirit of a partnership is our motivation.



Integrated spacer for improved air circulation. Distance: 3mm