DATASHEET - Z-R230/16-20



Installation relay, 230 V AC, 2NO, 16A



Z-R230/16-20 ICS-R16A230B200

EL-Nummer (Norway)

Catalog No.

Part no.

4100202



Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	16
Equipment heat dissipation, current-dependent	P _{vid}	W	1.6
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

Devices for distribution board-/surface mounting (EG000062) / Installation relay (EC001652)

Electric engineering, automation, process control engineering / Electrical installation, device / Modular serial built-in device for electrical circuit distributors / Installation relay for distribution board (ecl@ss10.0.1-27-14-23-09 [AFZ821014])

Function		Mechanical
Mounting method		DIN rail
Width in number of modular spacings		1
Built-in depth	mm	60
Number of contacts as normally open contact		2
Number of contacts as normally closed contact		0



Control voltage 1 Per 200 Type of control voltage 1 Per 200 Control voltage 1 Per 200 Control voltage 2 V Type of control voltage 2 V Frequency control voltage 2 V Frequency control voltage 2 V Frequency control voltage 2 V Supply voltage 2 V Voltage type of supply voltage 2 V Voltage type of supply voltage V Voltage type of supply voltage V Max. incandescent lamp load V Max. load fluorescent lamp (Duo circuit) V Max. load fluorescent lamp (per lamp (specific voltage 2) V Max. load fluorescent lamp (per lamp (specific voltage 2) V Max. load fluorescent lamp (per lamp (specific voltage 2) V Max. load fluorescent lamp (specific voltage 2) V			
Type of control voltage 1 AC Frequency control voltage 1 6 8 9 60 <td< td=""><td>Number of contacts as change-over contact</td><td></td><td>0</td></td<>	Number of contacts as change-over contact		0
Frequency control voltage 1 Image: Algorithm of the second se	Control voltage 1	V	196 - 250
Control voltage 2 0 Type of control voltage 2 AC Frequency control voltage 2 A Frequency control voltage 2 A Supply voltage 3 A Voltage type of supply voltage V Max. incandescent lamp load V Max. load fluorescent lamp (Duo circuit) A Max. load fluorescent lamp (parallel compensated) VA YA YA YA YA	Type of control voltage 1		AC
Type of control voltage 2 AC Frequency control voltage 2 Hz 0 Rated current A 16 Supply voltage V 240-240 Voltage type of supply voltage V 240-240 Max. incandescent lamp load V 720 Max. load fluorescent lamp (Duo circuit) VA 303 Max. load fluorescent lamp (parallel compensated) VA 74	Frequency control voltage 1	Hz	50 - 60
Frequency control voltage 2 Image: Amage: Amage	Control voltage 2	V	0 - 0
Rated current A 16 Supply voltage V 240 - 240 Voltage type of supply voltage A A Max. incandescent lamp load W 720 Max. load fluorescent lamp (Duo circuit) VA Supply voltage Max. load fluorescent lamp (parallel compensated) VA VA Max. load fluorescent lamp (parallel compensated) VA Supply voltage	Type of control voltage 2		AC
Supply voltage V 240 - 240 Voltage type of supply voltage AC Max. incandescent lamp load V 70 Max. load fluorescent lamp (Duo circuit) VA 303 Max. load fluorescent lamp (parallel compensated) VA 541	Frequency control voltage 2	Hz	0 - 0
Voltage type of supply voltage AC Max. incandescent lamp load W 720 Max. load fluorescent lamp (Duo circuit) VA 303 Max. load fluorescent lamp (parallel compensated) VA 541	Rated current	А	16
Max. incandescent lamp load W 720 Max. load fluorescent lamp (Duo circuit) VA 303 Max. load fluorescent lamp (parallel compensated) VA 541	Supply voltage	V	240 - 240
Max. load fluorescent lamp VA 303 Max. load fluorescent lamp (Duo circuit) VA 541 Max. load fluorescent lamp (parallel compensated) VA 271	Voltage type of supply voltage		AC
Max. load fluorescent lamp (parallel compensated) VA 541 Max. load fluorescent lamp (parallel compensated) VA 271	Max. incandescent lamp load	W	720
Max. load fluorescent lamp (parallel compensated) VA 271	Max. load fluorescent lamp	VA	303
	Max. load fluorescent lamp (Duo circuit)	VA	541
Max. switching current (cos phi = 0.6) A 5	Max. load fluorescent lamp (parallel compensated)	VA	271
	Max. switching current (cos phi = 0.6)	А	5