## **DATASHEET - Z-R110/2S20**



Installation relay, 110VAC/50Hz, 2N/O, 20A, 2HP

Part no. Z-R110/2S20 Catalog No. 265216



Similar to illustration

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	20
Heat dissipation per pole, current-dependent	$P_{\text{vid}}$	W	2
Equipment heat dissipation, current-dependent	$P_{vid}$	W	10.4
Operating ambient temperature min.		°C	-20
Operating ambient temperature max.		°C	45

## **Technical data ETIM 7.0**

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         2           Built-in depth         mm         60           Number of contacts as normally open contact         2         2           Number of contacts as normally closed contact         2         2           Number of contacts as change-over contact         0         0           Control voltage 1         V         0-0           Type of control voltage 1         K         0-0           Frequency control voltage 2         V         0-0           Control voltage 2         KC/CC           Frequency control voltage 2         K         0-0           Frequency control voltage 2         K         0           Rated current         A         0           Voltage type of supply voltage         K         0           Max. incandescent lamp [bod circuit] <th>554.4 (60.551.66.1 27 1. 25 65 p. 252.61 1)</th> <th></th> <th></th>	554.4 (60.551.66.1 27 1. 25 65 p. 252.61 1)		
Width in number of modular spacings         2           Built-in depth         mm         60           Number of contacts as normally open contact         2           Number of contacts as normally closed contact         2           Number of contacts as change-over contact         0           Control voltage 1         V         0-0           Type of control voltage 1         Hz         0-0           Control voltage 2         V         0-0           Control voltage 2         V         0-0           Type of control voltage 2         V         0-0           Frequency control voltage 2         V         0-0           Frequency control voltage 2         Hz         0-0           Rated current         AC/DC           Supply voltage         Hz         0-0           Supply voltage         Y         20-2           Voltage type of supply voltage         Y         20-2           Max. incandescent lamp [oue incuit) <t< td=""><td>Function</td><td></td><td>Mechanical</td></t<>	Function		Mechanical
Built-in depth         mm         60           Number of contacts as normally closed contact         2           Number of contacts as normally closed contact         2           Number of contacts as change-over contact         0           Control voltage 1         V         0-0           Type of control voltage 1         Hz         0-0           Control voltage 2         V         0-0           Control voltage 2         V         0-0           Type of control voltage 2         V         0-0           Tequency control voltage 2         Hz         0-0           Rated current         AC/DC           Supply voltage         V         20-0           Supply voltage         V         20-0           Voltage type of supply voltage         V         20-0           Voltage type of supply voltage         V         20-0           Voltage type of supply voltage         V         20-0           Max. incandescent lamp load         V         20-0           Max. incandescent lamp loud         V         20-0           Max. load fluorescent lamp (pluo circuit)         V         0           Max. load fluorescent lamp (pluo circuit)         V         0           Max. load fluoresce	Mounting method		DIN rail
Number of contacts as normally open contact  Number of contacts as normally closed contact  Number of contacts as change-over contact  Control voltage 1  Type of control voltage 1  Control voltage 1  Type of control voltage 1  Control voltage 2  Type of control vo	Width in number of modular spacings		2
Number of contacts as normally closed contact  Number of contacts as change-over contact  Control voltage 1  Type of control voltage 1  Frequency control voltage 1  Control voltage 2  Type of control voltage 2  Type of control voltage 2  Type of control voltage 2  Frequency control voltage 2  Frequency control voltage 2  Frequency control voltage 2  Frequency control voltage 2  Type of control voltage 2  Frequency control voltage 3  Frequency control voltage 4  Frequency control voltage 3  Frequency cont	Built-in depth	mm	60
Number of contacts as change-over contact  Control voltage 1  Type of control voltage 1  Frequency control voltage 1  Control voltage 2  Type of control voltage 2  Frequency control voltage 2  Rated current  A 20  Supply voltage  V 250 - 250  Voltage type of supply voltage  Max. incandescent lamp load  Max. load fluorescent lamp (Duo circuit)  Max. load fluorescent lamp (parallel compensated)  V 30  Max. load fluorescent lamp (parallel compensated)  V 40  V 50  V 60  V 70  V	Number of contacts as normally open contact		2
Control voltage 1         V         0 - 0           Type of control voltage 1         AC           Frequency control voltage 2         V         0 - 0           Type of control voltage 2         V         0 - 0           Type of control voltage 2         AC/DC           Frequency control voltage 2         Hz         0 - 0           Rated current         A         20           Supply voltage         V         250 - 250           Voltage type of supply voltage         AC           Max. incandescent lamp load         W         0           Max. load fluorescent lamp (Duo circuit)         VA         0           Max. load fluorescent lamp (parallel compensated)         VA         0	Number of contacts as normally closed contact		2
Type of control voltage 1 Frequency control voltage 1 Frequency control voltage 2 Type of control voltage 2 Type of control voltage 2 Frequency control voltage 2 Frequenc	Number of contacts as change-over contact		0
Frequency control voltage 1         Hz         0 - 0           Control voltage 2         V         0 - 0           Type of control voltage 2         AC/DC           Frequency control voltage 2         Hz         0 - 0           Rated current         A         20           Supply voltage         V         250 - 250           Voltage type of supply voltage         W         0           Max. incandescent lamp load         W         0           Max. load fluorescent lamp (Duo circuit)         VA         0           Max. load fluorescent lamp (parallel compensated)         VA         0	Control voltage 1	V	0 - 0
Control voltage 2 Type of control voltage 2 Frequency control voltage 2 Hz 0-0 Rated current Rated current A 20 Supply voltage Vy 250-250 Voltage type of supply voltage Voltage type of s	Type of control voltage 1		AC
Type of control voltage 2 Frequency control voltage 2 Hz 0 - 0 Rated current A 20 Supply voltage Vy 250 - 250 Voltage type of supply voltage Max. incandescent lamp load W 0 Max. load fluorescent lamp (Duo circuit) WA 0 Max. load fluorescent lamp (parallel compensated) VA 0	Frequency control voltage 1	Hz	0 - 0
Frequency control voltage 2  Rated current  A  20  Supply voltage  V  250 - 250  Voltage type of supply voltage  W  Max. incandescent lamp load  W  0  Max. load fluorescent lamp  UDuo circuit)  WA  0  Max. load fluorescent lamp (parallel compensated)  VA  0	Control voltage 2	V	0 - 0
Rated current  A 20 Supply voltage  V 250 - 250  Voltage type of supply voltage  Max. incandescent lamp load  W 0  Max. load fluorescent lamp  VA 0  Max. load fluorescent lamp (Duo circuit)  Max. load fluorescent lamp (parallel compensated)  VA 0	Type of control voltage 2		AC/DC
Supply voltage  V 250 - 250  Voltage type of supply voltage  AC  Max. incandescent lamp load  W 0  Max. load fluorescent lamp  WA 0  Max. load fluorescent lamp (Duo circuit)  VA 0  Max. load fluorescent lamp (parallel compensated)  VA 0	Frequency control voltage 2	Hz	0 - 0
Voltage type of supply voltage  Max. incandescent lamp load  W  0  Max. load fluorescent lamp  VA  0  Max. load fluorescent lamp (Duo circuit)  VA  0  Max. load fluorescent lamp (parallel compensated)  VA  0	Rated current	А	20
Max. incandescent lamp load  W 0  Max. load fluorescent lamp VA 0  Max. load fluorescent lamp (Duo circuit)  VA 0  Max. load fluorescent lamp (parallel compensated)  VA 0	Supply voltage	V	250 - 250
Max. load fluorescent lamp  VA  0  Max. load fluorescent lamp (Duo circuit)  VA  0  Max. load fluorescent lamp (parallel compensated)  VA  0	Voltage type of supply voltage		AC
Max. load fluorescent lamp (Duo circuit)  VA 0  Max. load fluorescent lamp (parallel compensated)  VA 0	Max. incandescent lamp load	W	0
Max. load fluorescent lamp (parallel compensated)  VA 0	Max. load fluorescent lamp	VA	0
	Max. load fluorescent lamp (Duo circuit)	VA	0
Max. switching current (cos phi = 0.6)	Max. load fluorescent lamp (parallel compensated)	VA	0
	Max. switching current (cos phi = 0.6)	А	0