



OVERLOAD RELAY 14...20 A FOR MOTOR PROTECTION
 SZ S0,
 CLASS 10,
 STAND-ALONE INSTALLATION MAIN CIRCUIT: SCREW
 TERMINAL AUX. CIRCUIT: SCREW TERMINAL MANUAL-
 AUTOMATIC-RESET

General technical data:		
product brand name		SIRIUS
product designation		3RU2 thermal overload relay
Protection class IP / on the front		IP20
Insulation voltage / with degree of pollution 3		
• rated value	V	690
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
• during transport	°C	-55 ... +80
• during storage	°C	-55 ... +80
• during operating	°C	-40 ... +70
Relative humidity		
• during operating phase	/ %	90
Resistance against shock		8g / 11 ms
Impulse voltage resistance / rated value	kV	6
Active power loss / total / typical	W	6.2
Item designation		
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		F
• according to DIN EN 61346-2		F

Trip class		CLASS 10
Type of assignment		2
Size of overload relay		S0
Size of the contactor / can be combined		
<ul style="list-style-type: none"> • company-specific 		S0

Main circuit:

Number of poles / for main current circuit		3
Operating voltage / at AC-3 / rated value		
<ul style="list-style-type: none"> • maximum 	V	690
Operating current / at AC-3 / at 400 V		
<ul style="list-style-type: none"> • rated value 	A	20
Service power / at AC-3		
<ul style="list-style-type: none"> • at 400 V / rated value 	kW	7.5
<ul style="list-style-type: none"> • at 500 V / rated value 	kW	11
<ul style="list-style-type: none"> • at 690 V / rated value 	kW	15
Adjustable response current		
<ul style="list-style-type: none"> • of the current-dependent overload release 	A	14 ... 20
Operating current / of the fuse link / rated value	A	50

Auxiliary circuit:

Contact reliability / of the auxiliary contacts		< 1 error per 100 million operating cycles
Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Number of change-over switches / for auxiliary contacts		0
Operating current / of the auxiliary contacts		
<ul style="list-style-type: none"> • at AC-15 		
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 24 V 	A	3
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 110 V 	A	3
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 120 V 	A	3
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 125 V 	A	3
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 230 V 	A	2
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 400 V 	A	1
<ul style="list-style-type: none"> • at DC-13 		
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 24 V 	A	1
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 110 V 	A	0.22
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 125 V 	A	0.22
<ul style="list-style-type: none"> <ul style="list-style-type: none"> • at 220 V 	A	0.11

Short-circuit: