3 Phase electronic contactor (RC 33)



- Rated operational voltage up to 480VAC 50/60 Hz
- Rated operational current up to 10 / 20A AC-1
- Control voltage from 5-24 VDC or 24-230 VAC/DC
 Compact modular design 45 or 90 mm
- LED Status indication
- Meets EN 60947-4-3 requirements
- Requires no additional components
- Built-in varistor protection
- IP-20 Protection

Item se	lection and teo	chnical specificat	ions	6							
Load AC-1/51 Heating- element	Control voltage	Item number by 12-240VAC 50/60Hz Line Voltage		Load EAN Nr. in kW 5705 609 by 230V		Item number by		Load in kW by 400V	EAN Nr. 5705 609		
10A	5-24 VDC	RC 33 DD 2310		Max.	002 367	RC 33 DD 4010	D	Max.	002 381	W = 45mm	
	24-230 VAC/DC	RC 33 DA 2310		4.0 kW	002 329	RC 33 DA 4010)	6.9 kW	002 343	W = 45mm	
20A	5-24 VDC	RC 33 DD 2320 RC 33 DA 2320		Max. 8.0 kW	002 374	RC 33 DD 4020	0	Max.	002 398	W = 90mm	
	24-230 VAC/DC				002 336	RC 33 DA 4020)	13.9 kW	002 350	W = 90mm	
Output	load specifica	tion				·					
Leakage current			1mA ACmax.			Min. operational current				10mA	
Duty cycle			100%								
Contro	l terminal spec	ifications									
RC 33 DD XXXX (DC)						RC 33 DA XXXX (AC/DC)					
Control voltage			5-24 VDC			Control voltage				24-230 VAC/DC	
Pick-up voltage max.			4.25 VDC			Pick-up voltage max.				20.4 VAC/DC	
Drop-out voltage min.			1.5 VDC			Drop-out voltage min.				7.2 VAC/DC	
Control current voltage			25 mA@24 VDC			Control current / power max.				8mA / 2.5VA@24 VDC	
Max. control voltage			32 VDC			Max. control voltage				253 VAC/DC	
Response time max. (ON/OFF)			1/2 cycle			Response time max. (ON/OFF)				1 cycle	
Therma	al specification										
Power dissipation for continuous operation PDmax				W/A		Operation in ambient temperatures exceeding 40°C is possible if the power dissipation is limited either by reducing the steady-state current or by reducing					
Power dissipation for intermittent operation PD			3.6 W/A x dutycycle			the duty-cycle as shown in the table. Max.cycle time 15min.					
Cooling method			Natural convection			By 40 ^o C	E	By 50 ⁰ C		By 60 ⁰ C	
Mounting			Vertical +/-30 ⁰			100% load Duty-cycle	100% 8	0% load Duty-o	cycle max. 0.8	65% load Duty-cycle max. 0.65	
Operating temperature range EN 60947-4-2			-5 ^o C to 40 ^o C			Environment					
Max. operating temperature with current derating			60 ⁰ C			Degree of protect	rotection IP 20 Pollution c			gree	3
Storage temperature EN 60947-4-2				^D C to 80 ^O C				1 1			1
Insulati	ion specificatio	ons									
Rated insulation voltage			Ui 660 Volt								
Rated impulse withstand voltage				np. 4 kVolt							
Installation catagory											

3 Phase electronic contactor (RC 33 Heatingelement)

