

Technical Data

Contactor Relay



Type designation for AC / DC control		Units	MX 0 / MX 0 dc				
Catalogue No. for AC control			CS94018	CS94019	CS94020	CS94041	CS94042
Catalogue No. for DC control			CS94027	CS94028	CS94029	CS94043	CS94044
Contact combination			40E	31E	22E	13E	04E
ENVIRONMENT							
Conforming to standards			IS 13947-5-1, IEC 60947-5-1, EN 60947-5-1				
Rated insulation voltage, Ui		V	690				
Service temperature		°C	-5° to +55°				
Degree of protection			Protection against direct finger contact from front				
Terminal reference			EN 50005 and EN 50011				
Tightening torque		Nm	0.8				
CONTACTS							
No. of poles			4				
Contact details			4NO	3NO+1NC	2NO+2NC	1NO+3NC	4NC
Conventional thermal current, Ith		A	10				
Rated current at 415 V, 50 Hz	Utilization category AC-15	A	4				
Short-circuit protection	gG fuse at 415 V, 50 Hz	A	10				
Electrical durability (AC-15) at 415 V, 50 Hz		Million	1.5				
Minimum non-overlapping distance		mm	0.5				
Maximum frequency of operation at Uc for AC-15		Opn / hr	1000				
Terminal capacity		Solid conductors	mm ²				
		Multi-stranded conductors					
CONTROL CIRCUIT FOR POWER CONTACTOR & CONTACTOR RELAY							
Coil voltage			AC		DC		
Standard Coil voltage Uc, at 50 Hz		V	24, 110, 240, 415		24, 110, 220		
Average consumption at Uc, 50 Hz	Pick up	VA	26		2.8		
	Hold on	VA	4.5		2.8		
		W	1.2		2.8		
Limits of operation	Pick up	(% Uc)	80 - 110		80 - 110		
	Drop off	(%Uc)	20 - 65		10 - 65		
Operating time at Uc, 50 Hz	Between coil energisation and:						
	- Opening of NC contacts		ms	5...20		5...25	
	- Closing of NO contacts			10...25		10...30	
	Between coil de-energisation and:						
- Opening of NO contacts		ms	10...25		10...30		
- Closing of NC contacts			15...30		15...35		
Mechanical durability		Million	10		10		
Maximum frequency of operation at Uc		Opn / hr	9000		9000		