

480V MOTOR CONTROL CENTERS

OVERCURRENT PROTECTION DEVICE										PENETRATION		LOAD		REMARKS
LOCATION	APPLICATION	CLASS	TYPE	TEST SET POINT	RESPONSE TIME	NO. XRP	CONDUCTOR SIZE	EQUIPMENT NO. - SYSTEM DESCRIPTION						
PARENT DEVICE NO. OR TAG NO.	UNIT NO. OR TAG NO.	PRI	BACK-UP											
XNC183X	31L	X		SQUARE D FHL36007-12M	105 AMPS	N/A	0018	#4 AWG	XPP0115B-ND/ RB SUMP PUMP B					
XNC183X	31L	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0018	#4 AWG	XPP0115B-ND/ RB SUMP PUMP B					
XNC183X	5CE	X		SQUARE D FHL36090	270 AMPS	≤200 SEC	0053	#1/0 AWG	APN4005-EM/ 400Y AC POWER PANEL - FEEDER					
XNC183X	5CE	X	X	SQUARE D FHL36090	270 AMPS	≤200 SEC	0053	#1/0 AWG	APN4005-EM/ 400Y AC POWER PANEL - FEEDER					
XNC183X	5HJ	X		SQUARE D FHL36080	240 AMPS	≤200 SEC	0053	#1/0 AWG	ITF0008-EM/ TRANSFORMER FOR LIGHTING PANEL B (NORMAL LIGHTING)					
XNC183X	5HJ	X	X	SQUARE D FHL36080	240 AMPS	≤200 SEC	0053	#1/0 AWG	ITF0008-EM/ TRANSFORMER FOR LIGHTING PANEL B (NORMAL LIGHTING)					
XNC183X	8AD	X		SQUARE D FHL36007-12M	105 AMPS	N/A	0018	#4 AWG	XFWD007B-AH/ REFUELING WATER SURFACE SUPPLY PUMP B					
XNC183X	8AD	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0018	#4 AWG	XFWD007B-AH/ REFUELING WATER SURFACE SUPPLY PUMP B					
XNC183X	10FJ	X		SQUARE D FHL36100-15M	1500 AMPS	N/A	0018	#1/0 AWG	XFWD008B-AH/ RB CHARCOAL CLEANUP UNIT FAN B					
XNC183X	10FJ	X	X	SQUARE D FHL36070	210 AMPS	≤200 SEC	0018	#1/0 AWG	XFWD008B-AH/ RB CHARCOAL CLEANUP UNIT FAN B					
XNC183Y	3AD	X		SQUARE D FHL36050-15M	750 AMPS	N/A	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP A) COOLING FAN B					
XNC183Y	3AD	X	X	SQUARE D FHL36060	180 AMPS	≤200 SEC	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP A) COOLING FAN B					
XNC183Y	3EH	X		SQUARE D FHL36050-15M	750 AMPS	N/A	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP B) COOLING FAN B					
XNC183Y	3EH	X	X	SQUARE D FHL36060	180 AMPS	≤200 SEC	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP B) COOLING FAN B					
XNC183Y	3EH	X		SQUARE D FHL36060	180 AMPS	≤200 SEC	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP B) COOLING FAN B					
XNC183Y	31L	X		SQUARE D FHL36050-15M	750 AMPS	N/A	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP C) COOLING FAN B					
XNC183Y	31L	X	X	SQUARE D FHL36060	180 AMPS	≤200 SEC	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP C) COOLING FAN B					
XNC183Y	4AE	X		SQUARE D FHL36015-13M	225 AMPS	N/A	0034	#4 AWG	XVT0533C-CC/ NOY, RC PUMP B THERMAL BARRIER					
XNC183Y	4AE	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0034	#4 AWG	XVT0533C-CC/ NOY, RC PUMP B THERMAL BARRIER					
XNC183Y	4HJ	X		SQUARE D FHL36080	240 AMPS	≤200 SEC	0018	#1/0 AWG	ITF0008-EM/ TRANSFORMER FOR LIGHTING PANEL B UNDERWATER LTG					
XNC183Y	4HJ	X	X	SQUARE D FHL36080	240 AMPS	≤200 SEC	0018	#1/0 AWG	ITF0008-EM/ TRANSFORMER FOR LIGHTING PANEL B UNDERWATER LTG					
XNC183Y	5AD	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0018	#4 AWG	XPP0300C-RC/ RC PUMP C HEATER - RC					
XNC183Y	5AD	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0018	#4 AWG	XPP0300C-RC/ RC PUMP C HEATER - RC					
XNC183Y	5EH	X		SQUARE D FHL36030-15M	450 AMPS	N/A	0018	#4 AWG	XPP0300C-RC/ RC PUMP C OIL LIFT PUMP - RC					
XNC183Y	5EH	X	X	SQUARE D FHL36025	75 AMPS	≤100 SEC	0018	#4 AWG	XPP0300C-RC/ RC PUMP C OIL LIFT PUMP - RC					
XNC183Y	7GL	X		SQUARE D KAL34200	800 AMPS	≤300 SEC	0016	250 MCM	APN4012-EM/ WELDING RECEPTACLE POWER PANEL					
XNC183Y	7GL	X	X	SQUARE D KAL34200	800 AMPS	≤300 SEC	0016	250 MCM	APN4012-EM/ WELDING RECEPTACLE POWER PANEL					
XNC183Y	8DK	X		SQUARE D FHL36050-15M	750 AMPS	N/A	0018	#1/0 AWG	XPP0501B-RL/ RC DRAIN TANK PUMP B					
XNC183Y	8DK	X	X	SQUARE D FHL36070	210 AMPS	≤200 SEC	0018	#1/0 AWG	XPP0501B-RL/ RC DRAIN TANK PUMP B					
XNC183Y	9GL	X		SQUARE D KAL34200	800 AMPS	≤300 SEC	0016	250 MCM	APN4012-EM/ WELDING RECEPTACLE POWER PANEL					
XNC183Y	9GL	X	X	SQUARE D KAL34200	800 AMPS	≤300 SEC	0016	250 MCM	APN4012-EM/ WELDING RECEPTACLE POWER PANEL					
XNC183X	2AD	X		SQUARE D FHL36030-15M	450 AMPS	N/A	0033	#4 AWG	APN4017-EM/ CONTROL ROD POSITIONER DATA CAB COOLING FAN					
XNC183X	2AD	X	X	SQUARE D FHL36025	75 AMPS	≤100 SEC	0033	#4 AWG	APN4017-EM/ CONTROL ROD POSITIONER DATA CAB COOLING FAN					
XNC183X	2EH	X		SQUARE D FHL36050-15M	750 AMPS	N/A	0018	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP B) COOLING FAN C					
XNC183X	2EH	X	X	SQUARE D FHL36050	150 AMPS	≤200 SEC	0018	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP B) COOLING FAN C					
XNC183X	21L	X		SQUARE D FHL36050-15M	750 AMPS	N/A	0018	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP C) COOLING FAN C					

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PARENT DEVICE NO. OR TAG NO.	UNIT NO. OR TAG NO.	PRI	BACK-UP											
XNC183X	21L	X		SQUARE D FHL36050	150 AMPS	≤200 SEC	0018	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP C) COOLING FAN C					
XNC183X	3EH	X		SQUARE D FHL36007-12M	105 AMPS	N/A	0053	#4 AWG	XFWD007A-AH/ REFUELING WATER SURFACE SUPPLY PUMP A					
XNC183X	3EH	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0053	#4 AWG	XFWD007A-AH/ REFUELING WATER SURFACE SUPPLY PUMP A					
XNC183X	31L	X		SQUARE D FHL36090-15M	750 AMPS	N/A	0063	#4 AWG	XFWD008B-AH/ REFUELING WATER SURFACE EXHAUST FAN A					
XNC183X	31L	X	X	SQUARE D FHL36050	150 AMPS	≤200 SEC	0053	#4 AWG	XFWD008B-AH/ REFUELING WATER SURFACE EXHAUST FAN A					
XNC183X	4CE	X		SQUARE D FHL36080	240 AMPS	≤200 SEC	0018	#1/0 AWG	ITF0008-EM/ TRANSFORMER FOR LIGHTING PANEL B (NORMAL LIGHTING)					
XNC183X	4CE	X	X	SQUARE D FHL36080	240 AMPS	≤200 SEC	0018	#1/0 AWG	ITF0008-EM/ TRANSFORMER FOR LIGHTING PANEL B (NORMAL LIGHTING)					
XNC183X	41N	X		SQUARE D FHL36015-13M	225 AMPS	N/A	0033	#4 AWG	XVT0533C-CC/ NOY, RC PUMP C THERMAL BARRIER					
XNC183X	41N	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0033	#4 AWG	XVT0533C-CC/ NOY, RC PUMP C THERMAL BARRIER					
XNC183X	5AD	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0053	#4 AWG	XPP0300A-RC/ RC PUMP A HEATER - RC					
XNC183X	5AD	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0053	#4 AWG	XPP0300A-RC/ RC PUMP A HEATER - RC					
XNC183X	5EH	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0018	#4 AWG	XPP0300B-RC/ RC PUMP B HEATER - RC					
XNC183X	5EH	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0018	#4 AWG	XPP0300B-RC/ RC PUMP B HEATER - RC					
XNC183X	6AD	X		SQUARE D FHL36030-15M	450 AMPS	N/A	0053	#4 AWG	XPP0300A-RC/ RC PUMP A OIL LIFT PUMP - RC					
XNC183X	6AD	X	X	SQUARE D FHL36025	75 AMPS	≤100 SEC	0053	#4 AWG	XPP0300A-RC/ RC PUMP A OIL LIFT PUMP - RC					
XNC183X	6EH	X		SQUARE D FHL36030-15M	450 AMPS	N/A	0018	#4 AWG	XPP0300B-RC/ RC PUMP B OIL LIFT PUMP - RC					
XNC183X	6EH	X	X	SQUARE D FHL36025	75 AMPS	≤100 SEC	0018	#4 AWG	XPP0300B-RC/ RC PUMP B OIL LIFT PUMP - RC					
XNC183X	8AE	X		SQUARE D FHL36100-15M	1500 AMPS	N/A	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP A) COOLING FAN C					
XNC183X	8AE	X	X	SQUARE D FHL36070	210 AMPS	≤200 SEC	0052	#1/0 AWG	XFWD008B-AH/ SECONDARY COMPT (LOOP A) COOLING FAN C					
XNC183X	9M	X		SQUARE D FHL36100	300 AMPS	≤200 SEC	0018	250 MCM	XCR0064 LOOP B AUX CRANE					
XNC183X	9M	X	X	SQUARE D FHL36100	300 AMPS	≤200 SEC	0018	250 MCM	XCR0064 LOOP B AUX CRANE					
XNC183X	31M	X		SQUARE D FHL36015	225 AMPS	N/A	0028	#4 AWG	XV6005C-CC/ NOY - RB					
XNC183X	31M	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0028	#4 AWG	XV6005C-CC/ NOY - RB					
XNC183X	51N	X		SQUARE D FHL36015-13M	225 AMPS	N/A	0028	#4 AWG	XVT0533C-CC/ REACTOR HEAD VENT VALVE TO PRESSURE RELIEF TANK					
XNC183X	51N	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0028	#4 AWG	XVT0533C-CC/ REACTOR HEAD VENT VALVE TO PRESSURE RELIEF TANK					
XNC183X	61N	X		SQUARE D FHL36015-13M	225 AMPS	N/A	0028	#4 AWG	XV6000B-RC/ PRESSURE RELIEF ISOLATION VALVE					
XNC183X	61N	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0028	#4 AWG	XV6000B-RC/ PRESSURE RELIEF ISOLATION VALVE					
XNC183X	7AE	X		SQUARE D FHL36015-13M	225 AMPS	N/A	0028	#4 AWG	XV10050A-RC/ REACTOR HEAD VENT VALVE TO PRESSURE RELIEF TANK					
XNC183X	7AE	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0028	#4 AWG	XV10050A-RC/ REACTOR HEAD VENT VALVE TO PRESSURE RELIEF TANK					
XNC183X	7FJ	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0028	#4 AWG	XV6001A-RH/ RB LOOP 1 INLET ISOLATION VALVE					
XNC183X	7FJ	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0028	#4 AWG	XV6001A-RH/ RB LOOP 1 INLET ISOLATION VALVE					
XNC183X	8AE	X		SQUARE D FHL36100	300 AMPS	≤200 SEC	0028	(2) #4 AWG	XV6000A-S1/ ACCUMULATOR A ISOLATION VALVE					
XNC183X	8AE	X	X	SQUARE D FHL36100	300 AMPS	≤200 SEC	0028	(2) #4 AWG	XV6000A-S1/ ACCUMULATOR A ISOLATION VALVE					
XNC183X	8FJ	X		SQUARE D FHL36100	300 AMPS	≤200 SEC	0028	(2) #4 AWG	XV6000B-S1/ ACCUMULATOR B ISOLATION VALVE					
XNC183X	8FJ	X	X	SQUARE D FHL36100	300 AMPS	≤200 SEC	0028	(2) #4 AWG	XV6000B-S1/ ACCUMULATOR B ISOLATION VALVE					

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LOCATION	APPLICATION	CLASS	TYPE	TEST SET POINT	RESPONSE TIME	NO. XRP	CONDUCTOR SIZE	EQUIPMENT NO. - SYSTEM DESCRIPTION						
PARENT DEVICE NO. OR TAG NO.	UNIT NO. OR TAG NO.	PRI	BACK-UP											
XNC183X	111M	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0017	#4 AWG	SPARE					
XNC183X	111M	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0017	#4 AWG	SPARE					
XNC183Y	31M	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0028	#4 AWG	YV10112-ES/ SEAL WATER RETURN ISOLATION VALVE					
XNC183Y	31M	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0028	#4 AWG	YV10112-ES/ SEAL WATER RETURN ISOLATION VALVE					
XNC183Y	81M	X		SQUARE D FHL36050	150 AMPS	≤200 SEC	0101A	#4 AWG	YV6001A-S1/ REACTOR HEAD VENT VALVE TO RB LOOP 1 ISLN VALVE					
XNC183Y	81M	X	X	SQUARE D FHL36050	150 AMPS	≤200 SEC	0101A	#4 AWG	YV6001A-S1/ REACTOR HEAD VENT VALVE TO RB LOOP 1 ISLN VALVE					
XNC183Y	14CG	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0030	#4 AWG	XV6001B-SV/ RB RECIRCULATING UNIT B ISOLATION VALVE					
XNC183Y	14CG	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0030	#4 AWG	XV6001B-SV/ RB RECIRCULATING UNIT B ISOLATION VALVE					
XNC183Y	15CG	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	007	#4 AWG	YV6001B-SV/ RB RECIRCULATING UNIT B ISOLATION VALVE					
XNC183Y	15CG	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	007	#4 AWG	YV6001B-SV/ RB RECIRCULATING UNIT B ISOLATION VALVE					
XNC183Y	15HL	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0030	#4 AWG	YV6001B-SV/ RB RECIRCULATING UNIT B ISOLATION VALVE					
XNC183Y	15HL	X	X	SQUARE D FHL36020	60 AMPS	≤100 SEC	0030	#4 AWG	YV6001B-SV/ RB RECIRCULATING UNIT B ISOLATION VALVE					
XNC183Y	161M	X		SQUARE D FHL36015	45 AMPS	≤100 SEC	0017	#4 AWG	YV6001B-SV/ RB REC					