SECTION 1

SOCKET COMPATIBLE AND FLANGE MOUNTED RELAYS

1 TO 30 AMPERES

781
782
782H
783
784
750
788
283
388J/V
389/389F
300
9A/92
21
67
219
750H

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Magnecraft & Struthers-Dunn
Your Contact for Industrial Relays

SOCKET COMPATIBLE & FLANGE MOUNT RELAYS

PRODUCT	781	782XAX
	MANUFACTURED UNDER ISO 9002 QS 9000	MANUFACTURED UNDER ISO 9002 QS 9000
L X W X H (INCHES)	1.60 x 0.55 x 1.10	1.54 x 0.83 x 1.10
FEATURES	0.187 QUICK CONNECT/SOLDER PLUG-IN OR PRINTED CIRCUIT TERMINALS FLAG INDICATOR L.E.D. STATUS LAMP PUSH BUTTON FINGER GRIP COVER I.D. TAG/WRITE LABEL OPTIONAL FLANGE AND DIN ADAPTERS UL LISTED WHEN USED WITH 70-781D-1 SOCKET	0.187 QUICK CONNECT/SOLDER PLUG-IN OR PRINTED CIRCUIT TERMINALS FLAG INDICATOR L.E.D. STATUS LAMP PUSH BUTTON WITH LOCK DOWN DOOR FINGER GRIP COVER I.D. TAG/WRITE LABEL OPTIONAL FLANGE AND DIN ADAPTERS UL LISTED WHEN USED WITH 70-459-1 OR 70-782D-1 SOCKETS
COIL	**UNITS**	
Standard Voltage AC:	50/60 Hz	6, 12, 24,110 / 120, 220 / 230, 240	6, 12, 24,110 / 120, 220 / 230, 240
DC:		6, 12, 24, 48, 110 /125	6, 12, 24, 48,110 /125
Coil Power AC (60 Hz):	VA	0.9	1.2
Coil Power DC:	W	0.7	0.9
Insulation System Per UL Standard 1446:		Class B (130ºC)	Class B (130ºC)
CONTACTS			
Contact Configuration:		**SPDT**	**SPDT**
Contact Material:		Silver alloy, gold flashed	Silver alloy, gold flashed
Contact Resistance (Initial):	m Ohms	50	50
Contact Rating AC Amperes (AC1):	A	15	20
Contact Rating AC Voltage:	V	277	277
Contact Rating DC Amperes (DC1):	A	15 / 0.5	20 / 0.5
Contact Rating DC Voltage:	V	28 / 220	28 /220
Horse Power (AC):	Hp	1/2 @ 120 V	1/2 @ 120 V
Horse Power (AC):	Hp	1 @ 250 V	1 @ 250 V
TIMING			
Operate Time:	ms	20	25
Release Time:	ms	20	20
DIELECTRIC STRENGTH			
Coil to Contacts:	V rms	2500	2500
Insulation Resistance:	megohms minimum@VDC	100 @ 500	1000 @ 500
TEMPERATURE			
Operating, AC Lower:	ºC	-40	-40
Operating, AC Upper:	ºC	+70	+70
Operating, DC Lower:	ºC	-40	-40
Operating, DC Upper:	ºC	+70	+70
Storage, Lower:	ºC	-40	-40
Storage, Upper:	ºC	+105	+105
LIFE EXPECTANCY			
Electrical @ Rated Load (AC1):	operations	15 A: 100,000, 20 A: 50,000	100,000
Mechanical @ no Load :	operations	10,000,000	10,000,000
MISCELLANEOUS			
Cover Protection Category:	IP	40	40
Weight:	grams	29	36
MATING SOCKETS SEE SECTION 7		70-781D-1, 70-781F-1, 70-781T-1	70-459-1, 70-782D-1, 70-401-1, 70-402-1
AGENCY APPROVALS		c UL us UL Recognized File No. E43641, 40787, CE, UL LISTED, TÜV	c UL us UL Recognized File No. E43641, 40787, CE, UL LISTED, TÜV
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