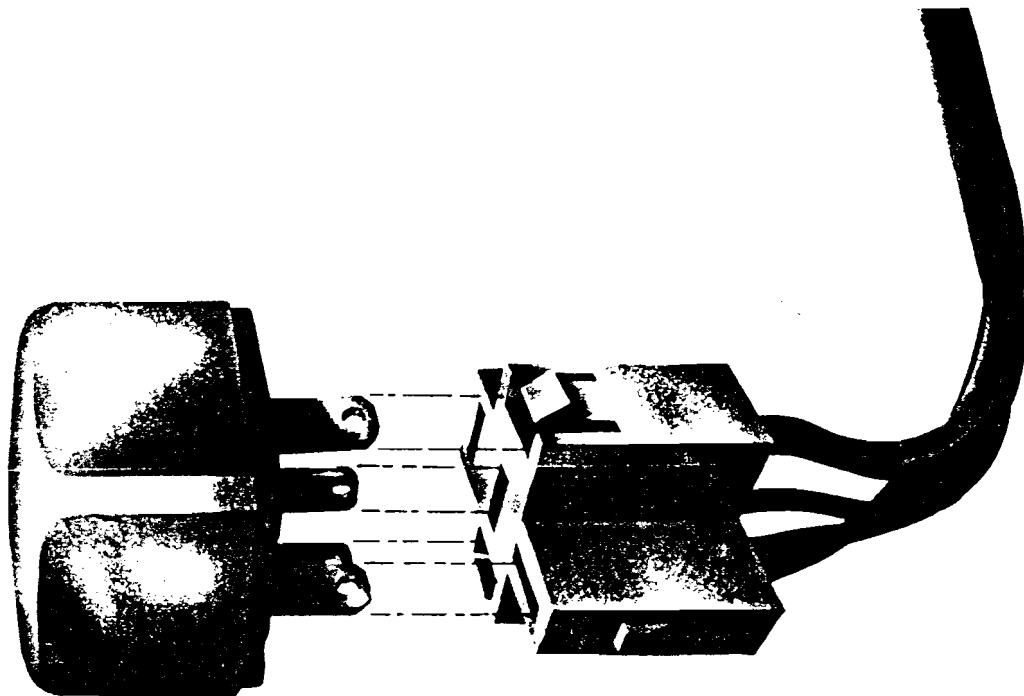


The small-size, high-current, high-performance relays... from the largest U.S. producer.

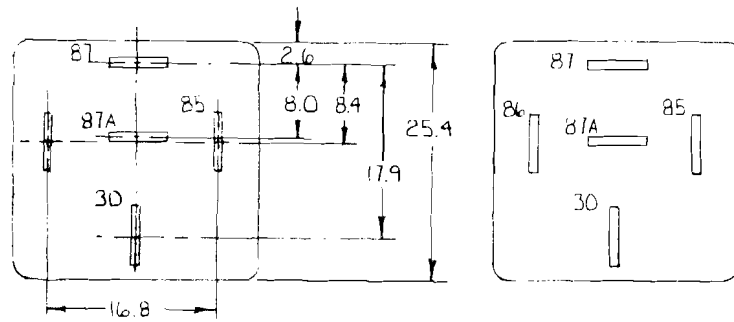


PART NO.	MODEL NO.	CONFIG	MAX COIL OPERATING VDC	NOMINAL COIL VDC	DROP-OUT VOLTAGE		MAX. PULL-IN VOLTAGE	COIL RESISTANCE $\pm 10\%$
					MIN.	MAX.		
1750-21	MP100-21	S.P.S.T. (N.O.)	8.0	6V	—	2.0	4.0	22 Ω
1750-22	MP100-22	S.P.S.T. (N.O.)	16.0	12V	—	4.5	8.0	85 Ω
1750-23	MP100-23	S.P.S.T. (N.O.)	32.0	24V	—	8.0	16.0	310 Ω
1750-24	MP100-24	S.P.S.T. (N.O.)	48.0	36V	—	13.5	27.0	470 Ω
1750-25	MP100-25	S.P.S.T. (N.C.)	8.0	6V	—	2.0	4.0	22 Ω
1750-26	MP100-26	S.P.S.T. (N.C.)	16.0	12V	—	4.5	8.0	85 Ω
1750-27	MP100-27	S.P.S.T. (N.C.)	32.0	24V	—	8.0	16.0	310 Ω
1750-28	MP100-28	S.P.S.T. (N.C.)	48.0	36V	—	13.5	27.0	470 Ω
1750-29	MP100-29	S.P.D.T.	8.0	6V	—	2.0	4.0	22 Ω
1750-30	MP100-30	S.P.D.T.	16.0	12V	—	4.5	8.0	85 Ω
1750-31	MP100-31	S.P.D.T.	32.0	24V	—	8.0	16.0	310 Ω
1750-32	MP100-32	S.P.D.T.	48.0	36V	—	13.5	27.0	470 Ω
1750-45	MP100-45	S.P.S.T. (N.C.) Double Throw	16.0	12V	—	4.5	8.0	85 Ω
1750-46	MP100-46	S.P.S.T. (N.C.) Double Throw	16.0	12V	—	4.5	8.0	85 Ω
1750-58	MP100-58	S.P.D.T. Double Throw	16.0	12V	—	4.5	8.0	85 Ω

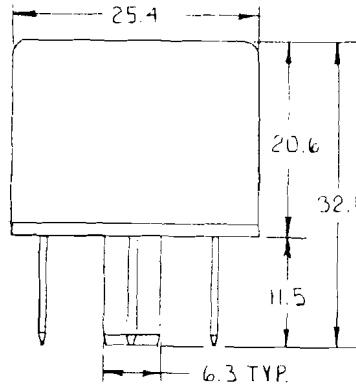
NOTES:

- 1) Watersealed versions available
- 2) These relays mate with connector MP100-238C
- 3) Various bracket configurations available
- 4) Call for listing of PCB-mount relays, as well as many other types that are not listed

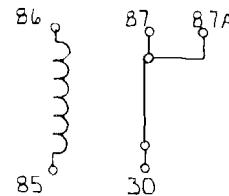




DIMENSIONS ARE IN MILLIMETERS



MP100-25, -27, -28
S.P.S.T. (N.C.)



FOR 6 VOLT SYSTEMS

1. PERFORMANCE: RESISTIVE LOAD @ 6 VDC NOM.
80 AMPS - 100,000 CYCLES MIN.
60 AMPS - 500,000 CYCLES MIN.
40 AMPS - 1,000,000 CYCLES MIN.
2. VOLTAGE DROP, ROOM TEMP. @ 6 VDC APPLIED TO RELAY COIL SHALL NOT EXCEED 2 MILLIVOLTS PER AMPERE ACROSS LOAD CONTACTS.

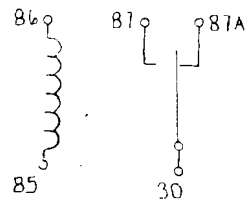
FOR 12 VOLT SYSTEMS

1. PERFORMANCE: RESISTIVE LOAD @ 12 VDC NOMINAL
50 AMPS - 100,000 CYCLES MIN.
40 AMPS - 500,000 CYCLES MIN.
30 AMPS - 1,000,000 CYCLES MIN.
2. VOLTAGE DROP, ROOM TEMP. @ 12 VDC APPLIED TO RELAY COIL SHALL NOT EXCEED 3 MILLIVOLTS PER AMPERE ACROSS LOAD CONTACTS.

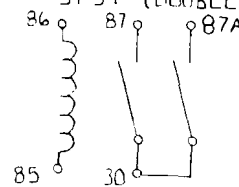
FOR 24 VOLT SYSTEMS

1. PERFORMANCE: RESISTIVE LOAD @ 24 VDC NOMINAL
25 AMPS - 100,000 CYCLES MIN.
20 AMPS - 500,000 CYCLES MIN.
15 AMPS - 1,000,000 CYCLES MIN.
2. VOLTAGE DROP, ROOM TEMP. @ 24 VDC APPLIED TO RELAY COIL SHALL NOT EXCEED 5 MILLIVOLTS PER AMPERE ACROSS LOAD CONTACTS.

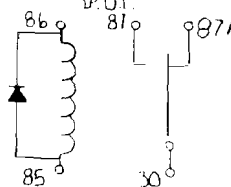
MP100-29, -30, -31, -32
S.P.D.T.



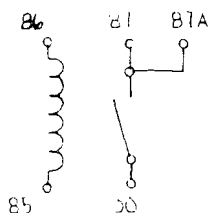
MP100-46
S.P.S.T. (DOUBLE MAKE)



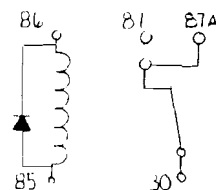
MP100-58
S.P.D.T.



MP100-21, -22, -23, -24
S.P.S.T. (N.O.)



MP100-45
S.P.S.T. (N.C.)



ISO SERIES

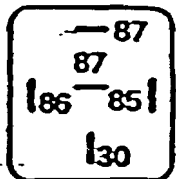
THIS DOCUMENT IS THE PROPERTY OF NARTRON CORPORATION AND IS LOANED TO YOU IN CONFIDENCE FOR THE SOLE PURPOSE OF AIDING THE TRANSACTION OF BUSINESS BETWEEN NARTRON AND RECIPIENT. PERMISSION IS EXPRESSLY WITHHELD TO DISCLOSE TO OTHERS INFORMATION CONTAINED HEREIN OR TO REPRODUCE ALL OR ANY PART OF THE DOCUMENT. DELIVERY OF THIS DOCUMENT BY NARTRON CONVEYS NO PROPERTY RIGHTS THEREIN NOR IN ANY MANNER DISCLOSED THEREIN.	DRAWN K. FISHER	DATE	REQ'D 3	REQ'D 2	REQ'D 1	ITEM	PART NO	DESCRIPTION
	CHECKED	DATE	DIMENSIONS ARE IN INCHES				LIST OF MATERIALS	
	APPROVED <i>[Signature]</i>	DATE 1-2-82	TOLERANCE UNLESS OTHERWISE SPECIFIED				NARTRON CORPORATION REED CITY, MI 49677 DIVISION	
	MATERIAL		2 PLACE DECIMALS - .02				NAME RELAY, MINI POWER SERIES	
			1 PLACE DECIMALS - .005					
			ANGLES - 1/2				SCALE 2X	
			THUS INT. 1/8 EXT. 1/16				SHEET 2 OF 6	
							NO 1750(MP100) SCD	

RELAY REPLACEMENT GUIDE

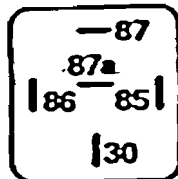
NARTRON Part No.	BOSCH Part No.
1750-22A (12 volt-SPST w/Bracket)	0-332-014-125
1750-30 (12 volt-SPDT)	0-332-204-101
1750-30A (12 volt-SPDT w/Bracket)	0-332-204-125
1750-30B (12 volt-SPDT w/Bracket Alum. Case)	0-332-204-150
1750-31 (24 volt-SPDT)	0-332-204-201
1750-31A (24 volt-SPDT w/Bracket)	0-332-204-203
1750-46 (12 volt-SPST Dual Make Cont.)	0-332-015-006
1750-47 (24 volt-SPST Dual Make Cont.)	0-332-015-002

NOTE: NARTRON suffix denotes bracket configuration.

PLUG-IN RELAY TERMINAL CONNECTION

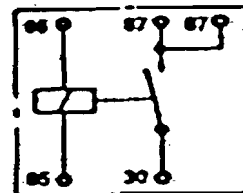


SPST

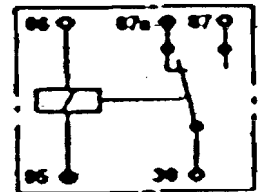


SPDT

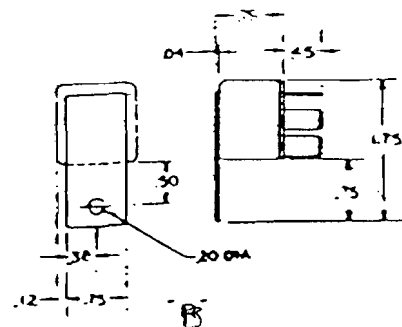
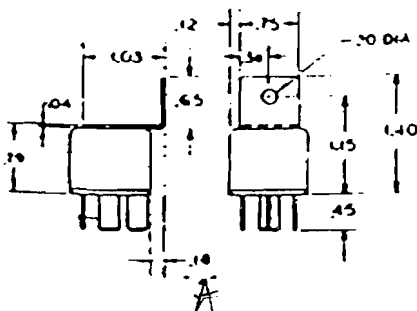
WIRING DIAGRAM



SPST



SPDT



NARTRON
CORPORATION

REED CITY, MICHIGAN 49677 (616) 832-5525

"...we turn things on..."