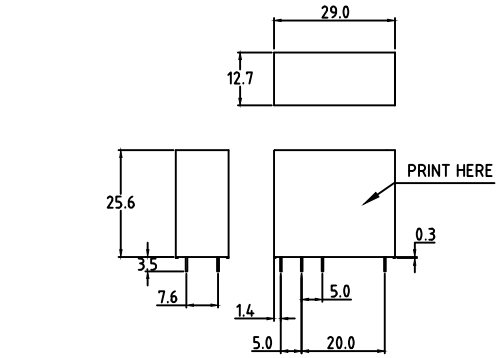
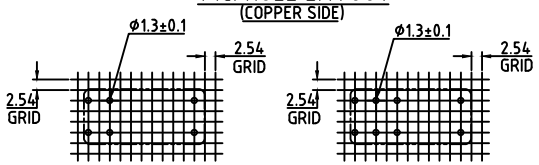
REVISIONS						
REV.	ECN NO.	DATE	ZONE	DESCRIPTION	NAME	SIGN/DATE
8	3517	18/07/20	E6	Coil resistance of *24P changed to 900Ω. 60VDC added.	AV	
9	3735	10/12/21	--	Printing detail reference added,Product coding updated,Note added.	ER	

DIMENSIONS



P.C. HOLE LAYOUT
(COPPER SIDE)



2 FORM A 2 FORM C

CIRCUIT DIAGRAM

2 FORM A 2 FORM C

PRODUCT CODING

48- XXX - 2XE - XXX

- PRODUCT SERIES
- NOMINAL COIL VOLTAGE
- CONTACT CONFIGURATION
- E-SEALED
- VACANT-NO SPECIALITY
- P- SPECIAL PICK UP *(REFER COIL DATA)
- G- GOLD PLATED CONTACTS
- R- COIL RESI. 600 Ω (P/T ≤ 12.5V DC)
- S- PRINTING 8A RATING, COIL RES. 360Ω
- CG- RELAYS WITH CONTACT GAP ≥0.7MM
- 200- COIL RES. 200Ω

NOTE:-
FOR PRINTING DETAIL REFER DRAWING 48-3500-100

SPECIFICATION

CONTACT CONFIGURATION	: 2 FORM A, 2 FORM C
CONTACT MATERIAL	: SILVER ALLOY
CONTACT RATING	: 10A @250VAC/30VDC FOR 2 FORM A RELAY
	: 8A @250VAC/30VDC FOR 2 FORM C RELAY
CONTACT RESISTANCE (INITIAL)	: 100mΩ MAX.
DIELECTRIC STRENGTH	
BETWEEN CONTACT AND COIL	: 4000Vrms
BETWEEN OPEN CONTACTS	: 1000Vrms
INSULATION RESISTANCE	: 500MΩ MIN @500VDC AT 25°C, RH 50%
AMBIENT OPERATING TEMPERATURE	: -40° TO +70°
TYPE OF MOUNTING	: P.C.B. MOUNTING
WEIGHT	: 20g APPROX.

TEST CONDITION

ELECTRICAL	: 100K OPERATIONS AT RATED LOAD
MECHANICAL	: 1000K OPERATIONS ON NO LOAD

COIL DATA
(AT 25°C AMBIENT TEMPERATURE)

NOMINAL VOLT IN VDC	COIL RESISTANCE IN Ω±10%	MUST OPERATE VOLT IN VDC	MUST RELEASE VOLT IN VDC
5	50	4.0	0.5
6	70	4.8	0.6
9	150	7.2	0.9
12	270	9.6	1.2
12(S)	360	9.6	1.2
18	600	14.4	1.8
21	700	16.8	2.1
24	1100	19.6	2.4
*24P	900	12.0	2.4
48	4400	39.2	4.8
60	6540	42.0	6.0
72	9600	57.6	7.2
110	25000	88.0	11.0

DRAWING IN ACCORDANCE WITH IS 10714	MATERIAL —	TITLE SPECIFICATION	
DIMENSIONS IN MM			NAME / SIGN/DATE
TOLERANCE FOR DIMENSION UNLESS OTHERWISE SPECIFIED	HEAT TREATMENT —	DRAWN	MVK 09/12/21
LINEAR .X DECIMALS ± 0.5		CHECKED	ER
.XX DECIMALS ± 0.25	FINISH —	APPROVED	BP
.XXX DECIMALS ± —			
ANGULAR 0–15° ± —	REF. —	ADDL. INFORMATION —	
15° & ABOVE ± —			
THIRD ANGLE PROJECTIONN	DIEN India Limited	DRAWING NUMBER 48-4000-300	REV. 9
DO NOT SCALE DRAWING		SCALE NTS SHEET 1/1	A3