

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	TE STANDARD	10JUL2024	KS	RB

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300AMP. POWER RELAY

MAKE & BREAK CONTACT (CHANGEDOVER) STANDARD SIDE MOUNTING SUPPRESSION DIODE

MOUNTING DIMENSION

Suppression

Circuit

DIMENSIONAL TOLERANCES
 3 PLACE DECIMAL ±0.010
 2 PLACE DECIMAL ±0.03
 ANGULAR ±0°30'

Third Angle Projection

Date	Name	mm	Scale
01.07.2015	Hamar	inch	1:1
06.11.2019	Mielk	General Tolerances	
06.11.2019	Kaise	DIN ISO 2768 CL	

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300AMP. POWER RELAY

Technical Data

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE RANGE -40°C TO +85°C (-40°F TO +185°F)
 MAX. ALTITUDE RATING 50 000 FT
 SEAL IP67 (6 FT/ 0.2BAR 1 MIN) I.A.W. IEC 529
 IP6K9K (STEAM PRESSURE) DIN 40050 PART 9 AND I.A.W. IEC 529

SHOCK G-LEVEL 6G/ 11 MSEC
VIBRATION 4G/ 50-2000 HZ

ELECTRICAL CHARACTERISTICS

MIN. INSULATION RESISTANCE INITIAL 100 MEGOHMS
 AFTER LIVE OR ENVIRONMENTAL 50 MEGOHMS
 DIELECTRIC WITHSTANDING VOLTAGE 1050 VOLTS
 SEA LEVEL 1 MINUTE:
 ALTITUDE 1 MINUTE: 500 VOLTS

MAX. CONTACT DROP INITIAL 0.15 VDC
 AFTER LIFE TEST 0.175 VDC
 OVERLOAD 2400 AMP FOR 1 SEC, 600 AMP FOR 20 SEC
 DUTY RATING 300 AMP CONTINUOUS

RATED CONTACT LOAD

MAIN CONTACT
 RESISTIVE LOAD 200 000 CYCLES
 ENDURANCE 2 000 000 CYCLES

OPERATING CHARACTERISTICS

COIL DATA

28VDC INTERMITTENT DUTY COIL (ON TIME MAX. 1MINUTE) 9-18 VDC
 VOLTAGE RANGE 12 VDC
 NOMINAL VOLTAGE 9 VDC FULL TEMP. RANGE
 PICK UP VOLTAGE MAX. ≤ 2 VDC FULL TEMP. RANGE
 DROP OUT VOLTAGE MAX. 15 OHMS ±10%
 COIL RESISTANCE 0.8 AMP
 COIL CURRENT APPROX. 10 W
 COIL POWER APPROX.

TIME-MILLISECONDS-MAX. CONTACT (NO)

OPERATE (CLOSING) 40
 BOUNCE 5
 RELEASE (OPENING) 20

TIME-MILLISECONDS-MAX. CONTACT (NC)

OPERATE (OPENING) 30
 BOUNCE 8
 RELEASE (CLOSING) 35

WEIGHT 0.91 KG - 2.00 POUND MAX.

WIRE SECTION (AT NOMINAL LOAD) MIN. 95mm²/0.147 sq.in./AWG 0000

MOUNTING POSITION OPTIONAL

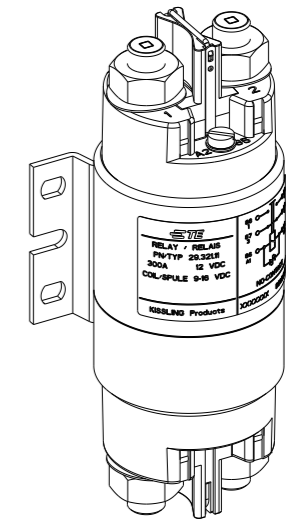
SUBJECT TO CHANGE

Date	Name	mm	Scale
01.07.2015	Hamar	inch	1:1
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NOTE
Bemerkungen:

- 1 TE-CONNECTIVITY ORDER-NUMBER
TE-Connectivity Bestellnummer
- 2 DO NOT SWITCH UNDER LOAD!
Nicht unter Last schalten!



ISO 1:2

TE ORDER-NO.	REV.	DESCRIPTION	ITEM NO
1 K1021362	A	300AMP. POWER RELAY 300AMP. Leistungsrelais	1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	E.Hamarat	01JUL2015
CHK	N.Mielke	06NOV2019
APVD	G.Kaiser	06NOV2019

TE TE Connectivity

NAME: 300AMP. POWER RELAY
300AMP. Leistungsrelais

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	©-29-321-11	-

CUSTOMER DRAWING SCALE 1:1 SHEET 1 OF 1 REV A