

| TÄ-Nr. |  | 120AMP. POWER RELAY (28VDC) |
| :---: | :---: | :---: |
|  | ENVIRONMENTALLY SEALED |  |

## TECHNICAL DATA

## ENVIRONMENTAL CHARACTERISTICS

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TEMPERATUR RANGE
-40 C TO +85' C (-40 % FO +185' F)
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mAX. ALTITUDE RATING 50000 FT SEAL

IP67 (6 FEET / 0,2 BAR - 1 MIN.) I.A.W. IEC 529 IP6K9K (STEAM PRESSURE) DIN 40050 PART 9 AND I.A.W. IEC 529
SHOCK G-LEVEL 6 G/11 MSEC
VIBRATION .4 G / $50-2000 \mathrm{HZ}$

## ELECTRICAL CHARACTERISTICS

$\qquad$
AFTER LIFE OR ENVIRONMENTAL ............................................................................................................ 50 MEGOHMS
DIELECTRIC WITHSTANDING VOLTAGE
SEA-LEVEL 1 MINUTE
1050 VOLTS

MAX. CONTACT DROP INITIAL ................................................................................................................... 0.15 VOLTS
AFTER LIFE TEST ........................................................................................................................................ 0.175 VOLTS
OVERLOAD ............................................................................................. 1000 AMP FOR 1 SEC., 250 AMP FOR 20 SEC.
DUTY RATING ........................................................................................................................... 120 AMP CONTINUOUS

RATED CONTACT LOAD (28 VDC)
RESISTIVE LOAD ............................................................................................................. 200000 CYCLES WITH 120 AMP
INDUCTIVE LOAD ....................................................................................................... 40000 CYCLES WITH 30 AMP
MOTOR LOAD ............................................................................................................. 200000 CYCLES WITH 120 AMP
ENDURANCE ..................................................................................................................................... 2000000 CYCLES

OPERATING CHARACTERISTICS
COIL DATA
VOLTAGE RANGE ...................................................................................................................................... 18-32 VDC
NOMINAL VOLTAGE .......................................................................................................................................... 28 VDC
PICK UP VOLTAGE MAX. ................................................................................................... 18 VDC FULL TEMP. RANGE
DROP OUT VOLTAGE MAX. ............................................................................................ $\leq 4$ VDC FULL TEMP. RANGE
COIL RESISTANCE ................................................................................................................................ 80 OHMS $\pm 10 \%$
COIL CURRENT APPROX. ............................................................................................................................... 0.35 AMP
COIL POWER APPROX. .................................................................................................................................. 10 WATT

TIME-MILLISECONDS-MAX.

OPERATE ................................................................................................................................................................... 35
BOUNCE ....................................................................................................................................................................... 5
RELEASE .................................................................................................................................................................... 15
WEIGHT ............................................................................................................................ $0.48 \mathrm{~kg}=1.06$ POUND MAX.
WIRE SECTION (AT NOMINAL LOAD) ..................................................................... MIN. $25 \mathrm{~mm}^{2} / 0.039 \mathrm{sq}$. in. / AWG 3
MOUNTING POSITION
.OPTIONAL

| 1999 | Date | Name |  | Scale |  | Drawing No. $\hat{=}$ Order No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Design | 01.03. | Bo. | mm |  |  | 29.111 .02 |
| Check | 01.03. | Grupp | General Tolerances |  | ELEKTROTECHNIK <br> D-72218 Wildberg | 29.111 .12 |
| Appro |  |  | Dis | m |  |  |

