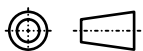


DIMENSIONAL TOLERANCES  
 3 PLACE DECIMAL  $\pm 0.010$   
 2 PLACE DECIMAL  $\pm 0.03$   
 ANGULAR  $\pm 0^{\circ}30'$

Third Angle Projection



ORDER-NO.

29.314.01 WITHOUT SUPPRESSION  
 29.314.11 WITH SUPPRESSION

1996	Date	Name	Inch mm	Scale 1:1
Design	01.07.	Bo		
Check	01.07.	Grupp	General Tolerances	
Appro			DIN 7168 m ISO 2768	



Drawing No.  $\hat{=}$  Order No. **29.314.01**  
**29.314.11**

TECHNICAL DATA

ENVIRONMENTAL CHARACTERISTICS

TEMPERATUR RANGE ..... -40° C TO +85° C (-40° F TO +185° F)  
 MAX. ALTITUDE RATING ..... 50 000 FT  
 SEAL ..... IP67 (6 FEET / 0,2 BAR - 1MIN.) 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 HZ

ELECTRICAL CHARACTERISTICS

MIN. INSULATION RESISTANCE; INITIAL ..... 100 MEGOHMS  
 AFTER LIFE OR ENVIRONMENTAL ..... 50 MEGOHMS  
 DIELECTRIC WITHSTANDING VOLTAGE SEA-LEVEL 1 MINUTE ..... 1 050 VOLTS  
 ALTITUDE 1 MINUTE ..... 500 VOLTS  
 MAX. CONTACT DROP INITIAL ..... 0.15 VOLTS  
 AFTER LIFE TEST ..... 0.175 VOLTS  
 OVERLOAD ..... 2400 AMP FOR 1 SEC., 600 AMP FOR 20 SEC.  
 DUTY RATING ..... 300 AMP CONTINUOUS

RATED CONTACT LOAD (12 VDC)

RESISTIVE LOAD ..... 200 000 CYCLES WITH 300 AMP  
 INDUCTIVE LOAD ..... 40 000 CYCLES WITH 75 AMP  
 MOTOR LOAD ..... 200 000 CYCLES WITH 300 AMP  
 ENDURANCE ..... 2 000 000 CYCLES

OPERATING CHARACTERISTICS

COIL DATA

VOLTAGE RANGE ..... 9 - 16 VDC  
 NOMINAL VOLTAGE ..... 12 VDC  
 PICK UP VOLTAGE MAX. .... 9 VDC FULL TEMP. RANGE  
 DROP OUT VOLTAGE MAX. .... ≤ 2 VDC FULL TEMP. RANGE  
 COIL RESISTANCE ..... 12 OHMS ± 10%  
 COIL CURRENT APPROX. .... 1 AMP  
 COIL POWER APPROX. .... 10 WATT

TIME-MILLISECONDS-MAX.

OPERATE ..... 40  
 BOUNCE ..... 5  
 RELEASE ..... 20  
  
WEIGHT ..... 0.82 kg = 1.81 POUND MAX.  
WIRE SECTION (AT NOMINAL LOAD) ..... MIN. 95 mm<sup>2</sup> / 0.147 sq. in. / AWG 0000  
MOUNTING POSITION ..... OPTIONAL

SUBJECT TO CHANGE

1996	Date	Name	Inch mm	Scale	 ELEKTROTECHNIK D-72218 Wildberg	Drawing No. ≙ Order No.  29.314.01 29.314.11
Design	01.07.	Bo				
Check	01.07.	Grupp	General Tolerances			
Appro			DIN 7168 m ISO 2768			