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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	TE STANDARD	24APR2024	KS	RB
	A2	ECN-26-376249 CAP ROTATED	01APR2026	SV	NM
	A3	ECN-26-391604 BOLT DESIGNATION CHANGED M10 TO M12	29JUN2026	NM	RB

NOTES:
Bemerkungen:

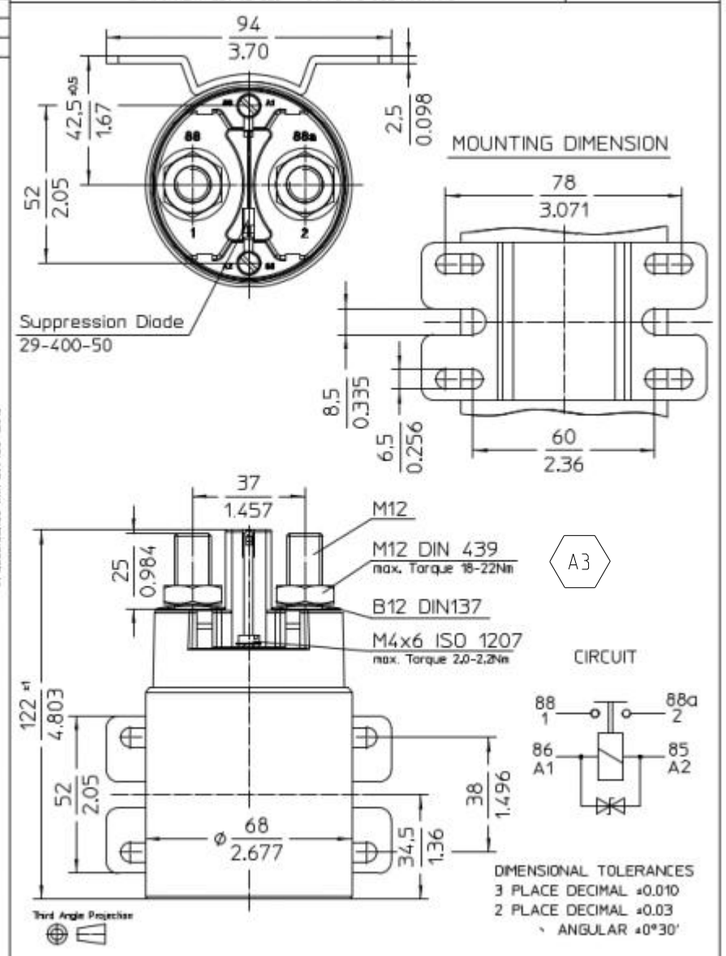
1 TE-CONNECTIVITY ORDER-NUMBER
TE-Connectivity Bestellnummer

EC No.

500AMP. POWER RELAY (24 VDC)

ENVIRONMENTALLY SEALED STANDARD SIDE MOUNTING

Page 1 of 2



	Date	Name		Scale		Drawing No:
Create	18.10.2019	Mielk	mm / inch	1:1.3		29-511-12
Edited	22.10.2019	Mielk	General Tolerances			
Check	22.10.2019	Kaise	DIN ISO 2768 cL			NSN:

For this drawing we reserve the copyright in accordance with DIN ISO 16016

EC No.

500AMP. POWER RELAY (24 VDC)

Page 2 of 2

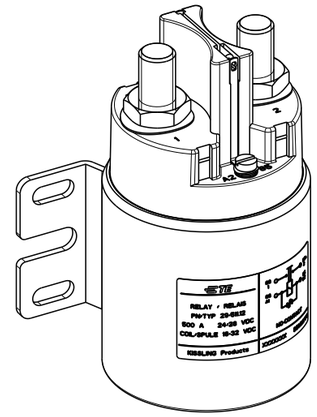
Technical Data

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	SEA LEVEL 1 MINUTE: 1050 VOLTS
	ALTITUDE 1 MINUTE: 500 VOLTS
MAX. CONTACT DROP INITIAL	0,15 VDC
AFTER LIFE TEST	0,175 VDC
OVERLOAD	4000 AMP FOR 1 SEC. 1800 AMP FOR 20 SEC
DUTY RATING	500 AMP CONTINUOUS
RATED CONTACT LOAD	
RESISTIVE LOAD	100 000 CYCLES
ENDURANCE	1 000 000 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.	≤ 4 VDC FULL TEMP. RANGE
COIL RESISTANCE	36 OHMS ±10%
COIL CURRENT APPROX.	0,78 AMP
COIL POWER APPROX.	22 W
TIME-MILLISECONDS-MAX.	
OPERATE	60
BOUNCE	5
RELEASE	30
WEIGHT	1.60 KG - 3.53 POUND MAX.
WIRE SECTION (AT NOMINAL LOAD)	MIN. 150mm²/ 0.233 sq. in./ MCM 300
MOUNTING POSITION	OPTIONAL

SUBJECT TO CHANGE

	Date	Name		Scale		Drawing No:
Create	18.10.2019	Mielk	mm	1:1.3		29-511-12
Edited	22.10.2019	Mielk	General Tolerances			
Check	22.10.2019	Kaise	DIN ISO 2768 cL			NSN:

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ISO 1:2

K1060259	1	A	500AMP POWER RELAY (24VDC) 500AMP Leistungsrelais (24VDC)	1
PART/TCPN NO.		REV.	DESCRIPTION	ITEM NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: DIN ISO 2768 cL	DWN N.Mielke 18OCT2019	TE Connectivity
	0 PLC ±	CHK N.Mielke 22OCT2019	
	1 PLC ±	APVD G.Kaiser 22OCT2019	NAME 500AMP POWER RELAY (24VDC) 500AMP Leistungsrelais (24VDC)
	2 PLC ±0.03	PRODUCT SPEC	
	3 PLC ±0.010	APPLICATION SPEC	SIZE A3 / CAGE CODE 00779 / DRAWING NO C-29-511-12 / RESTRICTED TO -
MATERIAL	4 PLC ± ANGLES ±0°30' FINISH	WEIGHT	CUSTOMER DRAWING / SCALE 1:1 / SHEET 1 OF 1 / REV A3

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