TECHNOL	ogy is our passion			test report - ELEKTRO FM 10001-006 Ausg. 05 vom 11.09.2018										VE-3 29.05.	
	Lukas Untergasser				a in the Internalia t		faai	litics in Dr		a hu			Checked / re	eased: Pa	aul Eder
	ription of the test :: crimping solution for customer	part n°:	facilities in Brunico Italy. dwg n°: remark:												
Miasin and his customer DTC				part II.	part name:		CWE			uwgi					
tester time require				several	ral	several					severa				
Luka	s Untergasser / Alex Niederkofler		5h												
	requirements / specification	ons		target of the test				result							
	conform with DIN EN 61238-1: n and mechanical connectors for p	oowers	To pass the 61238-1, the crimp/press	finding a crimping solution: To pass the test according to the standard DIN EN 61238-1, the conductor must not slip in the crimp/press connection at 100% of the tensile force and a holding time of 60 seconds				one minute achieved	The required pulling force to the norm DIN EN 61238-1 could be maintained fo one minute without slipping and, in addition, a much higher maximum force was achieved. All attempts were completed positively. The crimping solution is thus released						
Sez. mm²	Cable type	Lug	Die	Tool	equired value[Nm]	dete	cted value [Nm]		n] re pos.	sult neg.		remark			
25	Üntel M2XCH flex kl 5 3x25mm2	ICR25-12	MI25-CK	AP60-2	1.500		<u>3</u> .	<u>403</u>	Х		Lug was cri	mped two t	imes		
							<u>4</u> .	<u>136</u> X			Lug was cri	crimped two times			
							<u>4.</u>	184	Х		Lug was crimped two times				
35	Waskönig &Walter YMvK Dca SS	ICR35-8	MI35-CK	AP60-2			<u>3.653</u>		Х		Lug was crimped two times				
					2.100		<u>3.378</u>		Х		Lug was crimped two times				
	4x35mm2						<u>3.796</u>		Х		Lug was crimped two times				
50	Üntel M2XCH 0,6-1kV 3x50mm2	ICR50-12					<u>5.739</u>		Х		Lug was crimped two times				
			MI50-CK	AP60-2	3.000		<u>3.994</u>		Х		Lug was crimped two times				
							<u>3.814</u>		Х		Lug was crimped two times				
70	Üntel M2XCH flex kl 5 1x70mm2	ICR70-10	MI70-CK	AP60-2			<u>10.812</u>		Х		Lug was crimped two times				
					4.200		<u>9</u> .	<u>753</u>	Х		Lug was crimped two times				
							<u>10.615</u>		Х		Lug was crimped two times				
95		ICR95-10	MI95-CK	AP60-2			<u>9</u> .	121	Х		Lug was cri	mped two t	imes		
	Waskönig &Walter YMvK Dca SS				5.700		7.	430	х		Lug was cri	ug was crimped two times			
	4x95mm2						9.	057	Х		Lug was cri	mped two t	imes		







cable with unpressed lugs and I-crimp dies AP60-2: Battery operated hydraulic crimping tool 60kN up to 300mm² pull compression machine up to 50kN DIN EN 61238-1: Tensile force for mechanical test: No slipping shall occur during the last minute of the test. Conductor material: **Copper: 60 x nominal cross sectional area (mm²)** / Used compression tool AP60-2: Battery operated hydraulic crimping tool 60kN for dies series 60-2/4 up to 300mm²







cables that were tested