CONSTRUCTION  Examined visually and with a measuring instrument.  Confirmed visually and with a measuring instrument.  Implement the session of the confirmed visually and the firmed call by a confirmed visually and the firmed call by an analysis of the drawing.  X x Exceptions of the confirmed visually and the firmed call by an analysis of the confirmed visually and the firmed call by an analysis of the confirmed visually and the firmed call by an analysis of the confirmed visually and the confirmed visually and the confirmed call by an analysis of the confirmed visually solve to provide the confirmed call by an analysis of the confirmed visually solve to provide the confirmed visually solve to provide the confirmed visually solve to provide the confirmed call by an analysis of the confirmed visually solve to provide the confirmed visually	APPLIC/	ABLE STAN	DARD	TÜV, and UL certifcation pl	anned							
Nating   Access   Ac									ıre	-10°C to +60°C		
Section   Current   40A (5.5mm² cable)   Section   Applicable Cable   S.5mm² (AWG8)   Bmm² (AWG8)						_	range		_  -			
TIEM TEST METHOD REQUIREMENTS OT CONSTRUCTION  General Examination   Examined visually and with a measuring instrument.	Rating		40A (5.5mm² cable) nt 50A (8mm² cable)		-	А	Applicable Cable		)	8mm² (AWG8)		
CONSTRUCTION Content Resistance Content Examination Examined visually and with a measuring instrument. Confirmed visually and with a measuring instrument. Content Resistance Measured at DC 1A. Imm MAX.  X  X  X  X  X  X  X  X  X  X  X  X				SPEC	CIFICAT	TIONS	3					
Examination   Examination   Examined visually and with a measuring instrument.   According to the drawing.   X   X	-	ITEM	TEST METHOD			REQUIREMENTS				QT	АТ	
According to the drawing   Confirmed visually,   ELECTRICAL CHARACTERISTICS			Examined visually and with a measuring instrument				According to the drawing.				Ιx	Х
Contact Resistance  Measured at DC 1A.  Measured at DC 500V.  Voltage Proof  AC 2500V applied for 1min.(NECA C 2811)  Measured at 860A applied for 1s. (8 mm² cable)  Measured at 860A applied for 1s. (8 mm² cable)  Measured at 860A applied for 1s. (8 mm² cable)  Measured at 860A applied for 1s. (8 mm² cable)  Measured at 860A applied for 1s. (8 mm² cable)  Measured at 860A applied for 1s. (8 mm² cable)  Measured at 860A applied for 1s. (8 mm² cable)  Measured at 860A applied for 1s. (8 mm² cable)  Measured at 860A applied for 1s. (8 mm² cable)  Mechanical Operation  Mechanical Operation  Contact Insertied and Extracted 50 times.  Contact Insertied and Extracted 50 times.  Contact Resistance: 1.5 mΩ MAX.  X  1) No function impairing damage, cracks, or looseness of parts.  Contact Resistance: 1.5 mΩ MAX.  X  1) No electrical disconuity of 10 ps.  Performed three hours in each of three mutually  Performed three hours in each of three mutually  Acceleration: 50 mg²  Holf sine verse pulses of 11 ms.  Performed five times both ways in each of three promoted five times both ways in each of three apprendicular directions.  A 150N pulling force was applied to the connection side. (5 mm² cable) (NECA C 2811)  No damage.  Tenuiton Force: 10 NAX.  1) No electrical disconuity of 10 ps.  Performed five times both ways in each of three applied to the connection side. (6 mm² cable) (NECA C 2811)  No damage.  Tenuiton Force: 20MG MIN.  1) No damage.  Tenuiton Force: 10 max.  1) No electrical disconuity of 10 ps.  No damage.  Tenuiton Force: 10 max.  1) No electrical disconuity of 10 ps.  No damage.  Tenuiton Force: 10 max.  1) No electrical disconuity of 10 ps.  No damage.  Tenuiton Force: 10 max.  1) No electrical disconuity of 10 ps.  No damage.  Tenuiton Force: 10 max.  1) No electrical disconuity of 10 ps.  No damage.  Tenuiton Force: 10 max.  1) No electrical disconuity of 10 ps.  No damage.  Tenuiton Force: 20 max.  1) No electrical disconuity of 10 ps.  No damage.  Tenuiton Force: 20 max.  1) No electrical disconuity of		armation	·								X	
Insulation Resistance  Measured at DC 500V.  Voltage Proof  AC 2500V applied for 1min.(NECA C 2811)  No flashover or breakdown.  X  Measured at 860A applied for 1s. (6.5mm² cable)  Measured at 860A applied for 1s. (14mm² cable)  Meschanical Characteristics  Comp Contact Insertion  Meschanical Operation  Mechanical Op	ELECTR	ICAL CHAP	RACTER	ISTICS								
Voltage Proof   AC 2500V applied for frmin.(NECA C 2811)   No flashover or breakdown.   X			Measured at DC 1A.			1mΩ MAX.				Х	_	
Measured at 660A applied for 1s. (5.5mm² cable)   Measured at 860A applied for 1s. (8mm² cable)   Measured at 860A applied for 1s. (8mm² cable)   Measured at 860A applied for 1s. (14mm² cable)   Contact Resistance: 1.5 mΩ MAX.   X   X   X   X   X   X   X   X   X	Insulation Resistance		Measured at DC 500V.			1000MΩ MIN.				Х	_	
Short-Time Withstand Current Test  Measured at 1880A applied for 1s. (8mm² cable) Measured at 1880A applied for 1s. (14mm² cable) (Lorent Test)  MECHANICAL CHARACTERISTICS  Mechanical Operation  Measured with an applicable connector.  Mechanical Operation  Mechanical Operation  Mechanical Operation  Mechanical Operation  Mechanical Operation  Contact Insertied and Extracted 50 times.  Frequency: 10 Hz to 500 Hz Single amplitude: 0,75 mm Performed three hours in each of three mutually  Performed three hours in each of three mutually  Performed three hours in each of three mutually  Performed five times both ways in each of three and the connection side. (5,5mm² cable), 8mm² cable)  A cooleration: 500 mys² Half sine wave pulses of 11 ms. Performed five times both ways in each of three mutually perpendicular directions.  A 1500 pulling force was applied to the connection side. (5,5mm² cable), 8mm² cable) a connection side. (5,5mm² cable), 8mm² cable) a connection side. (14mm² cable) (NECA C 2811)  ENVIRONMENTAL CHARACTERISTICS  Damp Heat Subjected to 40±2°C, at a humidity 90% to 95%, for 95 hours. Returned to room temperature and normal humidity, and removed of any water. (NECA C 2811)  Modamage, cracks, or looseness of parts. you damage, cracks, or looseness of parts. you damage, cracks, or looseness of parts. you damage cracks, or looseness of parts. you damage, cracks, or loose	Voltage Proof		AC 2500V applied for 1min.(NECA C 2811)			No flashover or breakdown.				Х	_	
Crimp Contact Insertion and Extraction Forces   Contact Insertion and Extraction Forces   Contact Inserted and Extracted 50 times.   1	Current Test		Measured at 960A applied for 1s. (8mm² cable) Measured at 1680A applied for 1s. (14mm² cable) (JIS C 8201)			Contact Resistance: 1.5 mΩ MAX.				х	_	
No function impairing damage, cracks, or looseness of parts.						Insertion Force: 110N MAY						
Contact Inserted and Extracted 50 times.   2   Contact Contact Inserted and Extracted 50 times.   2   Contact Resistance: 1.5mΩ MAX.   Insertion Force: 110N M	and Extraction Forces		ivieasured with an applicable connector.								_ ×	<del>  -</del>
No electrical disconuity of 10µs.   No damage, cracks, or looseness of parts.	Mechanical Operation					looseness of parts.  2) Contact Resistance: 1.5mΩ MAX.			Х	_		
Half sine wave pulses of 11 ms. Performed five times both ways in each of three   2)   No electrical disconuity of 10μs. No damage, cracks, or looseness of parts.   X	Vibration		Single amplitude: 0.75 mm Performed three hours in each of three mutually 2 perpendicular directions.						Х	_		
Side. (5.5mm² cable, 8mm² cable) No damage.  ENVIRONMENTAL CHARACTERISTICS  Damp Heat (Steady State)  Subjected to 40±2°C, at a humidity 90% to 95%, for 96 hours. Returned to room temperature and normal humidity, and removed of any water. (NECA C 2811)  Heat and Cold Resistance  Subjected to -25±3°C for 2 hours. Returned to room temperature for 1 hour. Subjected to 70±3°C for 2 hours. (NECA C 2811)  Ageing Test  Ageing Test  COUNT  DESCRIPTION OF REVISIONS  COUNT  DESCRIPTION OF REVISIONS  DIS-C-00002387  DIS-C-00002387  DIS-C-00002387  Notes  (1) Above specifications show the values in assembled condition with applicable crimp contacts. (2) Including temperature rise caused by current carrying.  Unless otherwise specified, refer to IEC 60512 (JIS C 5402).  SPECIFICATION SHEET  No damage.  1) Insulation Resistance: 20MΩ MIN. Voltage Proof: AC 2500V applied for 1min. No flashover or breakdown. No damage, cracks, or looseness of parts.  1) Insulation Resistance: 20MΩ MIN. Voltage Proof: AC 2500V applied for 1min. No flashover or breakdown. No damage, cracks, or looseness of parts.  1) Insulation Resistance: 20MΩ MIN. Voltage Proof: AC 2500V applied for 1min. No flashover or breakdown. No damage, cracks, or looseness of parts.  1) Insulation Resistance: 20MΩ MIN. Voltage Proof: AC 2500V applied for 1min. No flashover or breakdown. No damage, cracks, or looseness of parts.  1) Insulation Resistance: 20MΩ MIN. Voltage Proof: AC 2500V applied for 1min. No flashover or breakdown. No damage, cracks, or looseness of parts.  1) Contact Resistance: 1.5mΩ MAX. 20 No damage, cracks, or looseness of parts.  1) Contact Resistance: 1.5mΩ MAX. 20 No damage, cracks, or looseness of parts.  1) Contact Resistance: 1.5mΩ MAX. 20 No damage, cracks, or looseness of parts.  1) Contact Resistance: 1.5mΩ MAX. 20 No damage, cracks, or looseness of parts.  1) Contact Resistance: 1.5mΩ MAX. 20 No damage, cracks, or looseness of parts.  2) No damage.  2) No damage.  2) DESIGNED CHECKED THIND.  2) DESIGNED CHECKED THIND.  2) DESIGNED CHECKED	Shock		Half sine wave pulses of 11 ms. Performed five times both ways in each of three mutually perpendicular directions.			, ,				x	_	
Damp Heat (Steady State)	Contact Re	tention Force	side. (5.5mm² cable, 8mm² cable) A 200N pulling force was applied to the connection							х	_	
Damp Heat (Steady State)  Subjected to 40±2°C, at a humidity 90% to 95%, for 96 hours. Returned to room temperature and normal humidity, and removed of any water. (NECA C 2811)  Subjected to -25±3°C for 2 hours. Returned to room temperature for 1 hour. Subjected to 70±3°C for 2 hours. (NECA C 2811)  Heat and Cold Resistance  Subjected to -25±3°C for 2 hours. Returned to room temperature for 1 hour. Subjected to 70±3°C for 2 hours. (NECA C 2811)  AQA (5.5mm² cable) 50A (8mm² cable) 70A (14mm² cable) With the rated current shown above applied, subjected to 40±3°C for 10 minutes, cooled to 30°C and left for 10 minutes. (JIS C 8201)  COUNT  DESCRIPTION OF REVISIONS  DESIGNED  CHECKED  DISC-00002387  TP. KOMATSU  APPROVED YH. YAMADA  18.4  CHECKED TP. KOMATSU  DESIGNED  CHECKED TP. KOMATSU  DESIGNED  CHECKED TP. KOMATSU  DESIGNED  CHECKED TP. KOMATSU  DESIGNED  CHECKED TP. KOMATSU  DESIGNED TH. TEMPA  TR. TEMPA  TO A THE ACC 2500V ADVIOLATION AND ADVIOLATION	ENVIRO	NMENTAL	CHARA	CTERISTICS								
Subjected to *20±3**C for 2 notes. Returned to form temperature for 1 hour. Subjected to *70±3**C for 2 hours. (NECA C 2811)			96 hours. Returned to room temperature and normal humidity, and removed of any water. (NECA C 2811)			<ul> <li>2) Voltage Proof: AC 2500V applied for 1min. No flashover or breakdown.</li> <li>3) No damage, cracks, or looseness of parts.</li> </ul>				х	_	
Ageing Test    SOA (8mm² cable)	Heat and Cold Resistance		temperati hours. (N	temperature for 1 hour. Subjected to 70±3°C for 2 hours. (NECA C 2811)			2) Vo No	Voltage Proof: AC 2500V applied for 1min. No flashover or breakdown.				
TP. KOMATSU  18. 0  Notes  (1) Above specifications show the values in assembled condition with applicable crimp contacts. (2) Including temperature rise caused by current carrying.  Unless otherwise specified, refer to IEC 60512 (JIS C 5402).  Note QT:Qualification Test AT:Assurance Test X:Applicable Test  PART NO.  TP. KOMATSU  YH. YAMADA  18. 0  CHECKED  TP. KOMATSU  18. 0  DESIGNED  HT. ZENBA  18. 0  DRAWN  EK. KIDO  18. 0  PART NO.  EF2-D60-1	Ageing Test		50A (8mm² cable) 70A (14mm² cable) With the rated current shown above applied, subjected to the following cycle 192 times. Subjected to 40±3°C for 10 minutes, cooled to 30°C			,			x	_		
Notes  (1) Above specifications show the values in assembled condition with applicable crimp contacts. (2) Including temperature rise caused by current carrying.  Unless otherwise specified, refer to IEC 60512 (JIS C 5402).  Note QT:Qualification Test AT:Assurance Test X:Applicable Test  SPECIFICATION SHEET  PART NO.  APPROVED YH. YAMADA 18.4  CHECKED TP. KOMATSU 18.4  DESIGNED HT. ZENBA 18.4  DRAWN EK. KIDO 18.4  PART NO.  ELC-119729-00-01		NT DI	SCRIPTION		DESIGNED				CHECKED	DATE		
(1) Above specifications show the values in assembled condition with applicable crimp contacts. (2) Including temperature rise caused by current carrying.  Unless otherwise specified, refer to IEC 60512 (JIS C 5402).  Note QT:Qualification Test AT:Assurance Test X:Applicable Test  SPECIFICATION SHEET  PART NO.  CHECKED TP. KOMATSU 18. 0  DESIGNED HT. ZENBA 18. 0  DRAWN EK. KIDO 18. 0  ELC-119729-00-0  EF2-D60-1			DIS-C-00002387 TP.			TP. KOM	MATSU			YH. YAMADA	18.0	6. 25
applicable crimp contacts.  (2) Including temperature rise caused by current carrying.  Unless otherwise specified, refer to IEC 60512 (JIS C 5402).  Note QT:Qualification Test AT:Assurance Test X:Applicable Test  SPECIFICATION SHEET  PART NO.  PROMATSU 18.0  DESIGNED HT. ZENBA 18.0  DRAWN EK. KIDO 18.0  ELC-119729-00-0  EF2-D60-1	Notes						APPROVED YH. YAMADA		18. 02. 26			
(2) Including temperature rise caused by current carrying.  Unless otherwise specified, refer to IEC 60512 (JIS C 5402).  Note QT:Qualification Test AT:Assurance Test X:Applicable Test  SPECIFICATION SHEET  PART NO.  DESIGNED HT. ZENBA 18.4  DRAWN EK. KID0 18.4  PART NO.  EF2-D60-1	(1)					CHECK		KED	TP. KOMATSU	18. 0	2. 26	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC-119729-00-0  SPECIFICATION SHEET PART NO. EF2-D60-1	(2)						DESIGNED		NED	HT. ZENBA	18. 02. 26	
SPECIFICATION SHEET PART NO. EF2-D60-1	Unless otherwise specified, refer			efer to IEC 60512 (JIS C 5402).			DRAWN		WN	EK. KIDO	18. 02. 26	
HS SPECIFICATION STILLT	Note QT:0	Qualification Te	,			DRAWING				ELC-119729-0	-00-00	
HIROSE ELECTRIC CO., LTD. CODE NO CL142-0104-0-00	שב	S	SPECIFICATION SHEET			PART	NO.			EF2-D60-1		
332110.	Un.	HIR	HIROSE ELECTRIC CO., LTD.			CODE		NO. CL142		2-0104-0-00	Δ	1/1