

断路器手车连接器案例介绍

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背景介绍

Background introduction

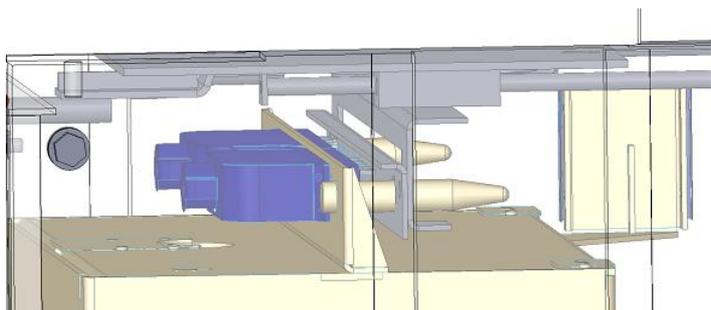
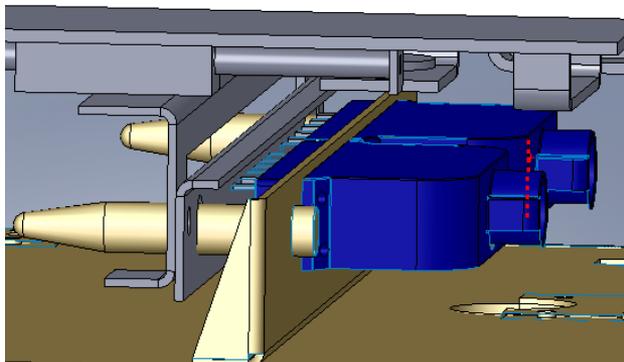
断路器柜体面板对接连接器要求：

- 1.断路器采用手车滑轨式、面板与面板对接；
- 2.连接器对接带有自动导向功能；
- 3.对接后连接器需锁紧，柜体滑动不能脱开。



断路器连接器使用要求

Little scope section home page



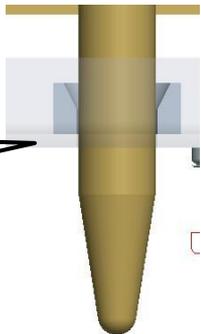
产品创新点

- 1、断路器手车滑轨式、面板与面板对接
- 2、带多级导向，连接器可自动精确对准
- 3、有电缆防护
- 4、对接后连接器面板带锁扣，避免手车运动过程脱开
- 5、结构牢固可靠
- 6、金属外壳可防御电击火花
- 7、可匹配我司标准芯体及框架

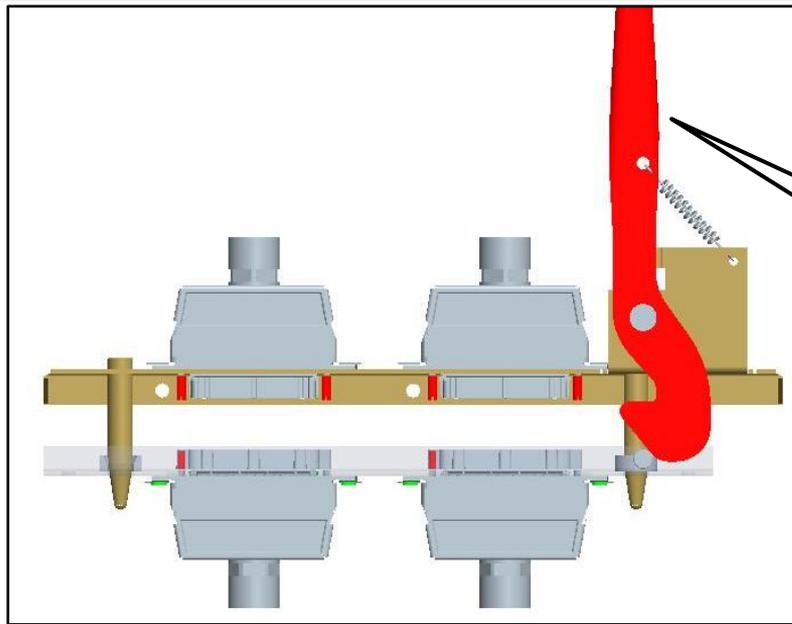
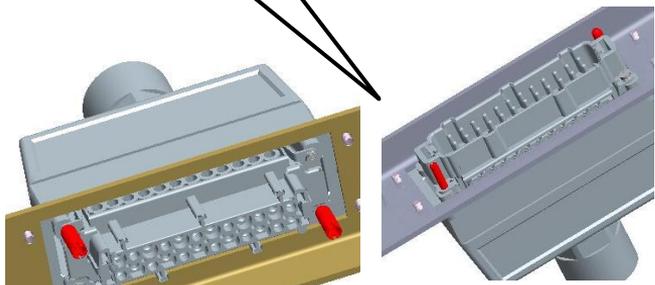
功能描述

Program description

两根导向柱
实现第一级
预对位

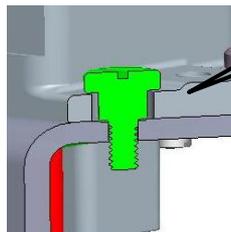


导向销、导
向孔实现第
二级对准导
向作用



采用机械锁扣结构，
使用方便，牢固可靠，
弹簧自复位

螺丝与安装孔采用
间隙配合，自动校
准插芯对接时相对
位置



连接器应用现场

Customer installation site

断路器与手车的面板对接，可自动对接并锁定，摇动手车可保持连接器处于耦合状态。



尺寸规格书

Size and Specification

Part Code	H24B-TE-0B-M32、HE-024-M、 WNCP-M32B/AD28.5,黑色QC型快速软管 接头
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Part Number	03024201310、03102410100、 06002114200
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Description	Custom Suite A
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1 Features

RoHS conformity	Yes
Hood Size	24B
Hood Locking type	screw connection
Type of hood/housing	metal hood
Gender insert	male
Mechanical working life - mating cycles	≥500
Termination method	crimp terminal

Number of contacts	24
Limiting temperature, min.	-40 °C
Limiting temperature, max.	125 °C

2 Connection data

Connection mode	screw connection
Contact resistance	≤ 1 mΩ
Rated current	16 A
Rated voltage	500 V
Rated impulse voltage	6 KV
Pollution degree	3
Contact identification	1~24
Wire cross section/AWG	mm ² 0.14~2.5 AWG 26-14

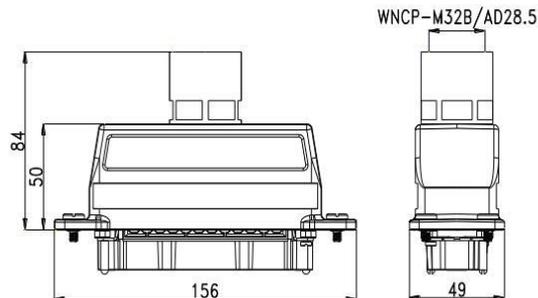
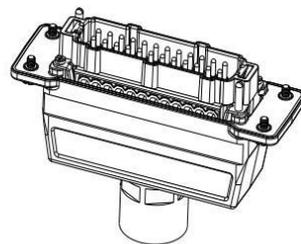
3 Material properties

Surface, hood/housing	powder-coated
Colour, hood/housing	RAL 7037 (gray)
Material, hood/housing	aluminum die-cast, corrosion resistant
Corrosion resistance	ASTM B117-09 (96 H)
Colour, insert	RAL 7032 (light grey)

Material, insert	polycarbonate
Flammability insert acc. to UL 94	V 0
Material, contact	Copper alloy
Surface, contact	hard-silver plated hard-gold plated

Net Weight	349 g
4 Supplement:	
Screw size	M32

Tightening torque, locking	7.5 N·m
Hose Size	AD28.5



尺寸规格书

Size and Specification

Part Code	H24B-TE-0B-M32、HE-024-F、 WNCP-M32B/AD28.5,黑色QC型快速软管 接头
Part Number	03024201310、03102410200、 06002114200
Description	Custom Suite B

1 Features

RoHS conformity	Yes
Hood Size	24B
Hood Locking type	screw connection
Type of hood/housing	metal hood
Gender insert	female
Mechanical working life - mating cycles	≥ 500
Termination method	crimp terminal

Number of contacts	24
Limiting temperature, min.	-40 °C
Limiting temperature, max.	125 °C

2 Connection data

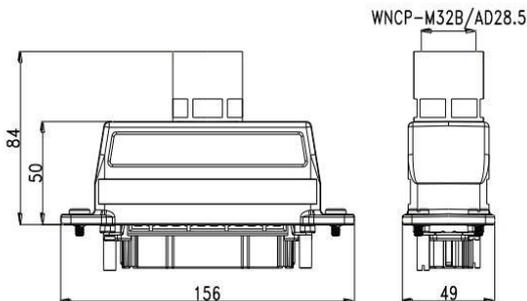
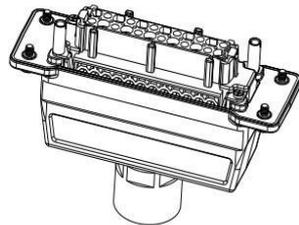
Connection mode	screw connection
Contact resistance	≤ 1 mΩ
Rated current	16 A
Rated voltage	500 V
Rated impulse voltage	6 KV
Pollution degree	3
Contact identification	1~24
Wire cross section/AWG	mm ² 0.14 ~ 2.5 AWG 26-14

3 Material properties

Surface, hood/housing	powder-coated
Colour, hood/housing	RAL 7037 (gray)
Material, hood/housing	aluminum die-cast, corrosion resistant
Corrosion resistance	ASTM B117-09 (96 H)
Colour, insert	RAL 7032 (light grey)
Material, insert	polycarbonate
Flammability insert acc. to UL 94	V 0
Material, contact	Copper alloy
Surface, contact	hard-silver plated hard-gold plated
Net Weight	364 g

4 Supplement

Screw size	M32
Tightening torque, locking	7.5 N·m
Hose Size	AD28.5



THE END