

# 中国西门子PLC模块广州授权总代理商

产品名称	中国西门子PLC模块广州授权总代理商
公司名称	上海跃韦科技集团有限公司
价格	.00/件
规格参数	西门子:西门子PLC模块.电机代理 全系列:西门子变频器通讯电缆代理 德国:西门子触摸屏DP接头代理
公司地址	上海市金山区吕巷镇溪北路59号5幢（三新经济小区）（注册地址）
联系电话	15821196730 15821196730

## 产品详情

西门子PLC模块广州授权总代理商

### 概述

The SIMOTION TRC1000 register control technology module is an intelligent optical sensor that operates with white light and high- gray value sensing. It is suitable for detecting and measuring all common block and wedge marks. The sensor comprises an evaluation unit, fiber-optic cable and specific accessories. It is operated on a SIMOTION control system via PROFINET IO with IRT. In conjunction with the SIMOTION Print Standard application, the register control can be directly integrated into the motion control system of printing and downstream processing machines

(postprint).

SIMOTION TRC1000

TRC1000 components are trade goods of Wiedeg Elektronik GmbH ([www.wiedeg.de](http://www.wiedeg.de)).

应用 西门子PLC模块广州授权总代理商

When used in a multi-color printing environment, a register control ensures consistent print – and is also used in post-print applications for synchronizing cut, embossing, punching or coating processes using registers. To achieve this, special print marks are printed in addition to the actual printed image.

In conjunction with the register control integrated in SIMOTION, Siemens also offers the SIMOTION TRC1000 wedge mark sensor for especially price-sensitive segments of the printing industry. It is especially suitable for coating and laminating processes in the converting domain.

As it is directly integrated into the motion control system of the machine, a register control is achieved that has a high level of performance and degree of reliability. It is favorably priced and especially compact. Additional open-loop controls, operator panels or control cabinets are not required. Furthermore, it is not necessary to mount an additional encoder

at the machine or printing cylinder.

The register control is made available based on the SIMOTION PrintStandard Add On TRC1000 application.

Workshops are available for experienced SIMOTION users. 西门子PLC模块广州授权总代理商

The modular SIMOTION TRC1000 wedge mark sensor comprises the IDS-PN evaluation unit with intelligent measured value processing (1-channel as gray value) and specific accessories. It is directly connected to PROFINET IO with IRT via an integrated 2-port switch whereby it is integrated in the line topology of the real-time PROFINET network of the machine. It can be adapted to the particular measurement task or machine situation using the expansion accessories. The DS sensor module, for example, expands the basic device to include a second fiber-optic cable connection for measuring on the reverse side, or measuring marks that are located transversely. Both modules are connected to 24 V DC using a prefabricated cable (available in two lengths), and a connecting cable (open at one end). The fiber-optic cable is equipped with an optical system and can be plugged into the IDS-PN or the DS. The cable is available in two lengths. The optical system is attached to the machine and can be adjusted using the three-section fiber-optic mounting set and standard ITEM profile elements. Further, the optical power and measured value processing for special measurement tasks can be adjusted using the fiber-optic calibration

tool. 西门子PLC模块广州授权总代理商

## 设计 Interfaces of the IDS-PN sensor module

### Display and diagnostics 西门子PLC模块广州授权总代理商

10 LEDs to display device operating states and errors – and for basic communication diagnostics.

2 measuring sockets for diagnostics and to update the firmware. These are not required in operation and are reserved

for the use of experienced development engineers. 1 x M12 [DIAG], 12-pole, A-coded (Binder No.: 99 0491

1212). Program/debug interface, 4-channel analog value output (2 x sensor analog signal, 2 x analog monitor) and

2-channel digital output (2 x sensor digital signal) for development engineers. 1 x M8 [RS232], 6-pole (Binder No.:

79 3465 5206). 西门子PLC模块广州授权总代理商 RS232 command interface for development engineers, e.g.

for diagnostics and parameterizing the sensor and the analog signals.

### Communication 西门子PLC模块广州授权总代理商

2 x M12 [Ethernet 0 / Ethernet 1], 4-pole, D-coded, PROFINET IO with IRT. Integrated 2-port switch to configure

a PROFINET line-type topology, e.g. with additional sensors and the SIMOTION control. In addition to real-time

data, acyclic data – such as signal trace and sensor parameterization – are also transferred via this interface. Matching

M12 PROFINET prefabricated cables are available, or users can assemble them themselves (see PROFINET).

## I/O devices 西门子PLC模块广州授权总代理商

1 x fiber-optic cable connection, 3-pole. Plug-in screw connection for the fiber-optic cable, which is available in 2 lengths.

1 x M8 [external sensor], 4-pole. To connect a DS sensor module for a second fiber-optic cable. The required prefabricated connecting cable is available in two lengths, as an accessory.

## Power supply 西门子PLC模块广州授权总代理商

1 x M8 [24V=], 3-pole. A prefabricated cable to connect the 24 V DC electronics power supply is available as an accessory.

## Additional interfaces

1 x M12 [Encoder], 8-pole, A-coded, encoder connection (Binder No.: 99 1487 812 08). A TTL incremental encoder can be directly connected here (e.g. for feedback signals from a side register actuator motor).

## Option module

The SIMOTION TRC1000 accessory DS sensor module extends the IDS-PN to include a second, external fiber-optic cable connection for measuring register marks at both sides and for two-web measurements, as well as for horizontal

markarrangements: 西门子PLC模块广州授权总代理商 西门子PLC模块广州授权总代理商

1 x fiber-optic cable connection, 3-pole.Plug-in screw connection for the fiber-optic cable, which is available in 2 lengths (see IDS-PN).

1 x M8 [IDS-PN], 4-pole. 西门子PLC模块广州授权总代理商 Connection to the IDS-PN basic unit using prefabricated cables.

## 集成

SIMOTION TRC1000 mounting example with ITEM profiles

Mounting 西门子PLC模块广州授权总代理商

The mounting set shown for mounting to ITEM profile elements is used to attach the fiber-optic cables.

Horizontal crossbar standard part, e.g.: ITEM profile 8, light,natural, 40 x 40 (0.0.026.33) or ditto 80 x 40 (0.0.026.34)

with length dependent on the machine (2)

Vertical crossbar standard part, e.g.: ITEM profile 5, natural,20 x 20 (0.0.370.03) 200 mm long with 2 x cover 20 x

20(0.0.370.09) (3)

Slider, standard part profile specifically machined, e.g.: ITEM slider guide 8 80 x 40 with clamping (0.0.628.68) profile

5, natural, 40 x 10 (0.0.391.06) 100 mm long, must be specifically machined (4 holes) 2 x covers 5 40 x 10

(0.0.391.14)(4)

Holder, vertical crossbar, special part with sliding block, clamping (5)

Holder, micro lens, special part with sliding block, 3 clamping points, inclination can be adjusted

西门子PLC模块广州授权总代理商