

Isolator Barriers

pac-Carrier

ISpac

9195/16H-XX0-01C Art. No. 209268



- Prefabricated system cables for field terminal boards (FTB) make it quick and easy to install – simply snaps onto a DIN rail or mounting plate
- Can be used with the Emerson Delta V, Schneider Foxboro/Tricon, Honeywell C300, Siemens ET200M and ET200F, Yokogawa Centum VP and ProSafe-RS
- All ISpac isolators 91xx can be used in the pac-Carrier

MY R. STAHL 9195A



The 9195 series pac-Carrier is a cost-effective solution allowing Ex i field devices to be connected to common I/O modules of distributed control systems and programmable logic controllers. The extremely robust carrier is suitable for 8 or 16 standard ISpac isolators and can process 32 signals, including a combination of Ex i and non-Ex i signals. It can be adapted to accommodate new I/O modules at any time. The carrier can be combined with the 9192 series HART Mux.

Technical Data

Explosion Protection

Application range (zones)	2
IECEX gas certificate	IECEX BVS 10.0042 X
IECEX gas explosion protection	Ex ec nC IIC T4 Gc
ATEX gas certificate	BVS 03 ATEX E 213 X
ATEX gas explosion protection	Ex II 3 G Ex ec nC IIC T4 Gc
FMus certificate	FM16US0122X
cFM certificate	FM16CA0067X
Marking cFMus	Class I, Div. 2, Groups A,B,C,D; Class I, Zone 2, Group IIC T4 at Ta = 70°C See Doc. 91 956 01 31 1
Certificates	ATEX (BVS), Brazil (ULB), Canada (FM), China (NEPSI), IECEX (BVS), India (PESO), SIL (exida), USA (FM)
Ship approval	CCS, EU RO MR (DNV)
Declaration of conformity	ATEX (EUK), China (CCC)

Electrical Data

Type of signal	DI, DO, AI, AO
Number of channels	32
LFD relay	Yes
I/O type	any
Redundancy	No
Connections	HART interface via 9192 HART multiplexer
Number of channels field device interface (HART)	8, 16, 32
HART-multiplexer connection	Yes
Fuse	2 x TR5; T 2 A; interchangeable, for a primary and redundant power supply

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Auxiliary Power

Auxiliary power	24 V DC
Nominal voltage V _{nom}	24 V DC
Redundant supply	Yes, diode-decoupled
Polarity reversal protection	Yes
Operation indication	Green "PWR1", "PWR2" LED

Output

Application	Universal
Fault message contact switching capacity	30 V / 100 mA
Line fault and loss of power signalization	- Contact (35 V/100 mA), closed in go-state

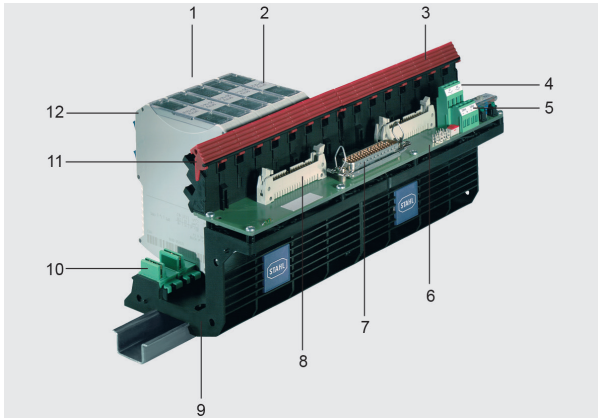
Ambient Conditions

Ambient temperature °C	-20 °C ... +70 °C
Ambient temperature °F	-4°F ... +158°F
Storage temperature °C	-40 °C ... +80 °C
Storage temperature °F	-40°F ... +176°F
Max. relative humidity	95%
Use at the height of	< 2000 m
Electromagnetic compatibility	Tested to the following standards and regulations: EN 61326-1 For use in industrial areas; NAMUR NE 21

Mechanical Data

Degree of protection (IP)	IP00
Number of slots	16
Grid dimension	17.6 mm
Width	292 mm
Width, inches	11.5 in
Height	150 mm
Height in inches	5.91 in
Length	155 mm
Length in inches	6.1 in
Weight	843 g
Weight	1.86 lb

Construction drawing



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Mounting type	DIN rail or wall mounting
Mounting orientation	Vertical Horizontal
Connection type	Screw terminal
Min. rigid conductor cross section	0.14 mm ²
Max. rigid conductor cross section	1.5 mm ²
Min. flex conductor cross section	0.14 mm ²
Max. flex conductor cross section	1.5 mm ²
Connection cross-section AWG	16 ... 26

The diagram illustrates a HART network topology. At the top left, a box labeled "PLC or DCS" is connected to a central box labeled "pac Carrier 9195" via two "System cable" lines, labeled as "System cable redundant". The "pac Carrier 9195" box has multiple output lines, some labeled "Ex i". To the right, a box labeled "Asset Management System" is connected to the "pac Carrier 9195" via a "HART Mux" box, with the connection labeled "HART RS485". Below the "pac Carrier 9195" box, there is a "HART" logo with the text "COMMUNICATION PROTOCOL" underneath it. At the bottom left, there is a diagram of a HART symbol (a circle with a diagonal line) and a HART symbol (a circle with a diagonal line and a vertical line), connected by dots to a box labeled "i" and "p", which is then connected to a box labeled "Ex i".

Technical drawing of the 1000 Series Benchtop Workstation. The drawing includes a front view and a side view. The front view shows a workstation with a height of 155 [6.10] and a width of 292 [11.50]. The side view shows a depth of 130 [5.12] and a width of 149 [5.87]. The workstation features a main body with a control panel and a side panel with a handle. The dimensions are provided in both inches and millimeters.

Accessories

Art. No.

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	The termination module enables non-Ex i field circuits to be integrated into the type 9195 pac-Carrier solution. This makes it possible to flexibly combine Ex i and non-Ex i field circuits in one pac-Carrier.	165683
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