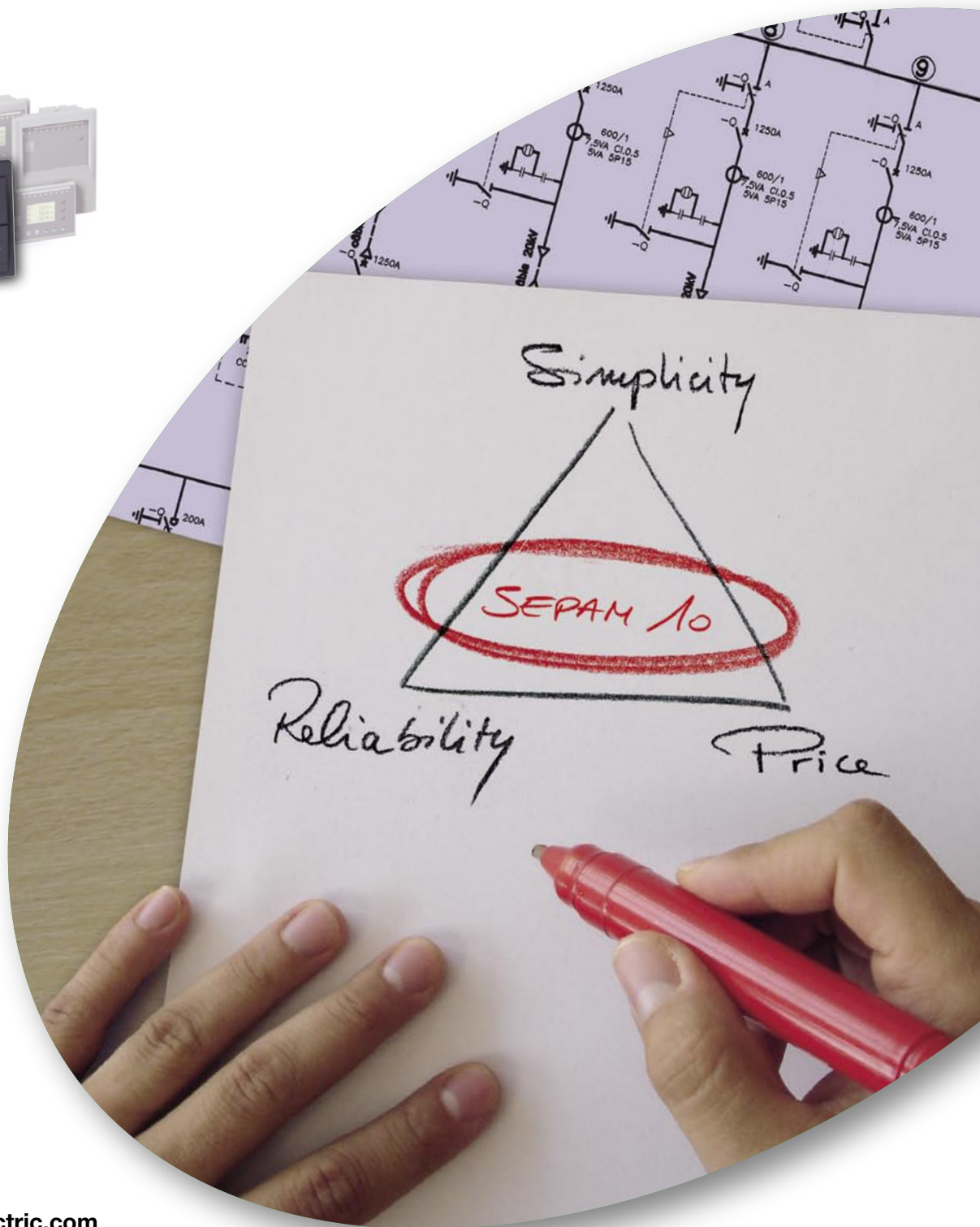


*Electrical network protection*

Sepam series 10 protective relay

# The perfect balance!



[www.schneider-electric.com](http://www.schneider-electric.com)

**Schneider**  
Electric

# Sepam series 10

***Protection relays constantly monitor the power network and trip the circuit breakers to isolate the faulty portion under fault conditions : overloads, short circuits, insulation faults, etc.***

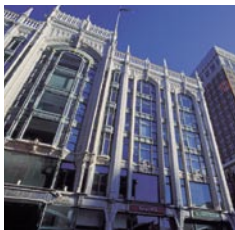
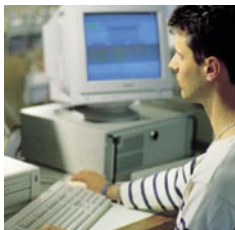


***The Sepam range proposes an extensive offering of efficient protection relays with increasing performance levels:***

■ **Sepam series 20**  
for the protection  
of lines, transformers  
and motors based on  
current monitoring

■ **Sepam series 40**  
for the protection  
of lines, transformers  
and generators based  
on current and voltage  
monitoring

■ **Sepam series 80**  
for the protection  
of lines, transformers,  
motors and generators  
based on current and  
voltage monitoring  
– incorporates current-  
differential protection,  
and offers wide-  
ranging possibilities  
for function controls  
and customization



## Experience

■ ***Schneider Electric, a world leader in digital protection relays has 30 years' experience, in a context of constant innovation.***

■ ***Schneider Electric has research and development teams which constantly demand quality and reliability of product offers, from their design to their operation by customers.***

■ ***Schneider Electric means the assurance of finding, throughout the world, a product and service offering that meets your needs and the standards applicable in your country.***

# protection relay

Simplicity, reliability, price...

***Sepam series 10, the perfect balance!***

*Sepam series 10 provides you with the essentials of the protection function, «just enough». It offers you the best quality/price/performance ratio in the market.*



*Sepam series 10 gives you the assurance of easy installation and simple parameter setting.*

*Sepam series 10 is a reliable, high-quality response to your professional expectations for medium voltage new protection applications.*

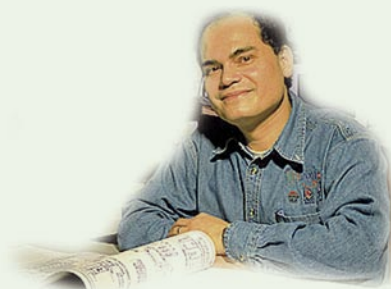
## **Sepam series 10:** *phase current and earth fault monitoring.*

■ **3** models for  
varying needs:

□ **N:** provides  
protection against  
earth faults.

□ **B:** provides  
protection against  
overloads, phase-  
to-phase faults and  
earth faults.

□ **A:** performs  
the same functions  
as the Sepam  
series 10 B, with  
digit inputs and  
additional relay  
outputs, one  
communication  
port and additional  
protection and  
control functions.



## ✓ □ **Simplicity**

■ **Easier stock  
management:**  
a single box for  
the content, no  
accessories, sold  
as a single unit, a light,  
compact product.

■ **Fast  
implementation:**  
easy installation and  
wiring, parameter  
setting done directly on  
the Sepam series 10  
without the use of a PC.

■ **Intuitive operation:**  
display, keys icons  
have been set up  
ergonomically.



## ✓ □ **Productivity**

■ **No lose time:**  
easy to understand,  
just right for your  
needs.

■ **Reduced  
maintenance costs:**  
permanent self-testing  
of the Sepam series 10  
allowing longer periods  
without maintenance.

■ **Improved  
power availability:**  
precise tripping  
threshold and time,  
logic discrimination  
capability, detailed and  
spontaneous operator  
information in the  
event of tripping.



## ✓ □ **Reliability**

■ **Guaranteed  
protection of people  
and installations:**  
carefully designed  
and robustly  
manufactured  
to work in a severe  
environment.

■ **Safety of  
operating personnel:**  
accessible part made  
entirely of insulating ma-  
terials, compliant with  
the new IEC 60255-27  
safety standard.

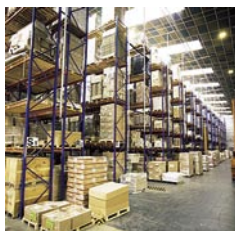
■ **A product in  
compliance with  
the European  
RoHS directive,**  
environmentally  
friendly, with low  
energy consumption,  
manufactured in  
a plant with ISO 14001  
certification.



# Sepam series 10

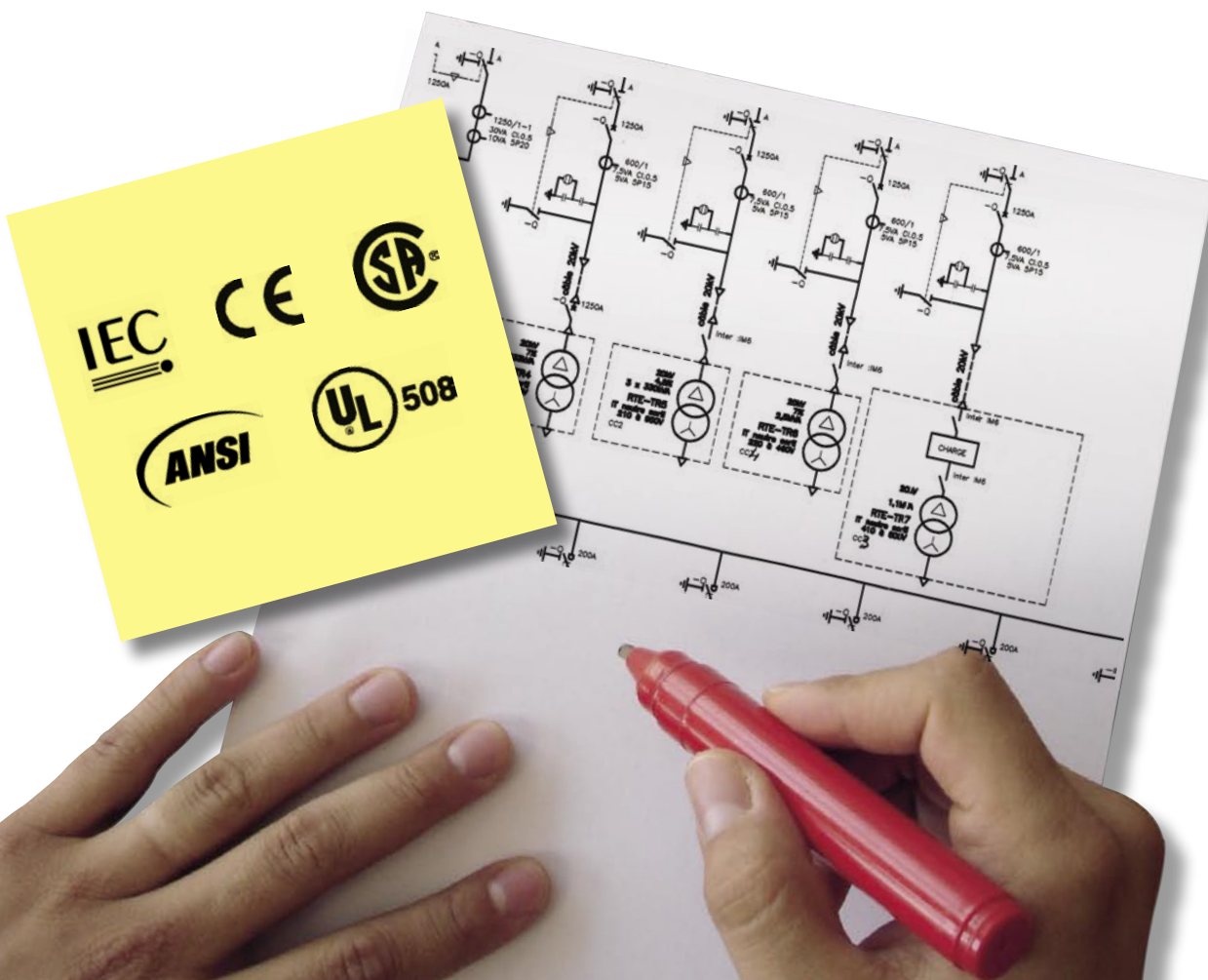


***Sepam series 10 is an overcurrent and earth-fault protection for feeders and distribution transformers.***



## *Fields of application:*

- Protection of secondary power distribution networks (MV/MV and MV/LV substations)
- Protection of buildings with MV power supply: office buildings, shopping centres, industry, warehouses, etc.



# Technical characteristics of the Sepam series 10 range



Sepam series 10 <b>range</b>		Sepam series 10	<div></div> <div></div> <div></div>
<b>Model</b>			
■ : Earth fault overcurrent protection			N
■ : Phase and earth fault overcurrent protection			B
■ : Phase and earth fault overcurrent protection, logic inputs and communication port			A
<b>Number of current inputs</b>			
■ : 1 earth current input			1
■ : 2 phase current inputs + 1 earth current input			3
■ : 3 phase current inputs + 1 earth current input			4
<b>Sensitivity of earth fault overcurrent protection</b>			
■ : Standard (0.1... 24 In0)			1
■ : Sensitive (0.01... 2.4 In0)			2
■ : Very sensitive (0.2... 24 A and 2... 240 A primary) with CSH core balance CT			3
<b>Supply voltage</b>			
■ : 24... 125 Vdc and 100... 120 Vac			A
■ : 110... 250 Vdc and 100... 240 Vac			E
■ : 220... 250 Vdc and high switching threshold logic inputs			F

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